

MERIT ENERGY COMPANY

Enhanced LDAR Plan (ELP) Compliance Status Report

July 1, 2016 – June 30, 2017

Kalkaska Gas Plant

SRN: B4292

1080 Prough Road, SW
Kalkaska, Michigan 49646

Date Prepared:
August 16, 2017

**Merit Energy Company
Enhanced LDAR (ELP) Compliance Status Report
Kalkaska Gas Plant
August 16, 2017**

Under Paragraph 49 of the Consent Decree, Merit Energy Co. LLC is required to submit an ELP Compliance Status Report within 31 days after the first full year after the Effective Date of this Consent Decree, until termination of the Consent Decree (see Section XVI of the Decree). The Effective Date of the Consent Decree is July 20, 2015; 31 days after the first full year after the Effective Date is Saturday, August 20, 2016.

This ELP Compliance Status Report covers from the July 1, 2016 until June 30, 2017 ("Report Period"). The required elements of the elements of the ELP Compliance Status Report are set forth in Paragraph 49 of the Consent Decree.

Compliance Status Report (Consent Decree Paragraphs 49.a through 49.i)

- a. *The number of LDAR Personnel at the Facility (excluding Personnel whose functions involve the non-monitoring aspects of repairing leaks) and the approximate percentage of time each such person dedicated to performing his/her LDAR function;*

Name	Approximate % dedicated to LDAR
Sean Craven	10
Bruce Vargo	30
Chris Taylor	100 (LDAR Contractor – EMSI)
Alan Hubbard	100 (LDAR Contractor – EMSI)

- b. *An identification and description of any non-compliance with the requirements of Section V (Compliance Requirements)*

Merit identified the following potential compliance concerns during the time period covered by this Compliance Status Report:

On 10/6/2016 valve number 2112-000 was screened at a level at or above 500 ppm. The valve was repaired successfully by the responsible EMSI LDAR technician at the time of the first attempt at repair that was undertaken on 10/6/2016. The valve was shown not to exceed a 500 ppm screening level upon subsequent LDAR inspection. Merit determined that the EMSI LDAR technician failed to notify Merit personnel of both the observed screening level and the subsequent repair. Merit also determined that the screening level observed prior to the repair on 10/6/2016 triggered the valve improvement requirements in Consent Decree Paragraph 31.b (replacement or repacking with Low-E technology that does not require a process unit shutdown). Upon discovery of the deficiency, and despite the fact that no screening values in excess of 500

ppm had been observed during LDAR inspections conducted subsequent to 10/6/2016, Merit caused the valve to be repacked with Low-E technology on 8/7/2017.

- On 10/6/2016 valve number 2543-000 was screened at a level at or above 500 ppm. The valve was a Balon ball valve that qualified as meeting Low-E technology requirements (i.e., manufacturer certification). The valve was repaired successfully by the responsible EMSI LDAR technician at the time of the first attempt at repair conducted on 10/6/2016. Merit determined that the EMSI LDAR technician failed to notify Merit personnel of both the observed screening level or the subsequent repair. On April 18, 2017, the valve was screened at a level at or above 500 ppm at later replaced with an identical Low-E Balon Valve (April 28, 2017).

c. An identification of any problems encountered in complying with the requirements of Section V (Compliance Requirements)

See Section B above. Merit and EMSI, its LDAR contractor, have taken several actions to minimize the potential for recurrence of the two issues reported in Section B, including:

- Update the GuideWare LDAR software to include an updated “Components Requiring Low-E Replacement” page that loads every time GuideWare is opened.
- Require that EMSI to update their Merit ELP training protocol. EMSI LDAR personnel are to provide Merit Energy a “Leak list” at the end of every day of monitoring. This list is to include valves that were repaired during the first attempt along with those that remain leaking. Previously, EMSI provided Merit a list of valves only that were still leaking.
- Require EMSI LDAR personnel to notify Merit at the conclusion of each quarterly monitoring event so Merit can run a “Leak History” report in GuideWare to determine if any leaking valves that were repaired during the first attempt require Low-E replacement.
- Require that the “Leak History” report be run in GuideWare during the quarterly QA/QC audit.

d. The information required by Paragraph 36 of the Consent Decree:

- i. Describe the actions Merit took to comply with this Subsection G [Valve Replacement and Improvement Program – Consent Decree Paragraphs 27 through 36], including identifying each piece of equipment that triggered a requirement in Subsection G, the Screening Value for that piece of equipment, the type of action taken (i.e., replacement, repacking, or improvement, and the date when the action was taken);*

Please refer to the Leak History report in **Attachment 1** that details each piece of equipment that triggered a requirement in Subsection G, the screening value for that piece of equipment, the type of action taken and the date the action was taken.

Several valves where concentrations in excess of the screening level were detected were (listed in **Attachment 1**) were physically removed from the facility, and thereby permanently removed from service, rather than replaced or repacked. They are listed below and identified in **Attachment 1**:

Process Unit	Tag No.	Date Removed
Cryo	2464E-000	01/23/2017
Stabilizer	1919-000	08/02/2016
Stabilizer	1842-000*	04/28/2017
Stabilizer	1720-000	08/02/2016
Stabilizer	1153-000	08/08/2016
Storage Tanks	0986-000	08/10/2016
Storage Tanks	0964I-000*	08/09/2016
Storage Tanks	0614F-000*	08/09/2016

*Valve was removed from LDAR program (not physically removed from service) after a determination that is it was not subject.

Other screening explanations:

- Valve number 2104-000 was listed as exceeding a screening level on 10/19/2016. However, it was later determined that a connection on a nearby transmitter was the actual source, therefore, the valve was not replaced or repacked with Low-E technology.
- Valve number 0964L-000 was listed as exceeding a screening level on 01/10/17. It was determined upon review that a nearby connector was the source and it was tightened, therefore the valve was not replaced or repacked with Low-E" technology.
- Valve number 0368-000 was listed as exceeding a screening level on 12/14/17. It was determined upon review that a nearby tubing fitting (connector) was the source and it was tightened; therefore the valve was not replaced or repacked with Low-E technology.

ii. *Identify any required actions that were not taken and explain why;*

Please refer to the Delay of Repair list in **Attachment 2** for a list of valves that have not been improved (replaced/repacked with Low-E). In addition, the list includes the reason otherwise required actions have been delayed.

Please note that valve number 0258-000 was identified as exceeding a screening level on April 5, 2017 from the valve packing. The valve was back-seated and was repacked with Low-E packing on April 18, 2017. On May 31, 2017, the valve was found to be exceeding a screening level again, this time from the bonnet. This valve cannot be repaired without a process unit shutdown.

- iii. *Identify the schedule for any known, future replacements, repackings, improvements, or eliminations*

Please refer to the Delay of Repair list in **Attachment 2**.

- e. *The information required by Paragraph 40 of Subsection V.G:*

Commencing by no later than the first full calendar quarter after the Effective Date of this Consent Decree [calendar quarter commencing October 2015], at times that are not announced to the LDAR monitoring technicians, an LDAR trained employee or contractor of Merit, who does not serve on a routine basis as an LDAR monitoring technician at the Facility, shall undertake the following no less than once per calendar quarter:

- i. *Verify that equipment was monitored at the appropriate frequency;*
- ii. *Verify that proper documentation and sign-offs have been recorded for all equipment placed on the DOR list;*
- iii. *Ensure that repairs have been performed in the required periods;*
- iv. *Review monitoring data and equipment counts (e.g., number of pieces of equipment monitored per day) for feasibility and unusual trends;*
- v. *Verify that proper calibration records and monitoring instrument maintenance information are maintained;*
- vi. *Verify that other LDAR programs are maintained as required; and*
- vii. *Observe in the field each LDAR monitoring technician who is conducting leak detection monitoring to ensure that monitoring during the quarter is being conducted as required.*

Please refer to **Attachment 3**, which documents the date and time of the quarterly QA/QC evaluations, along with verification and observations required to be taken under Paragraph 40. The log also tracks the nature and timing of any corrective actions taken. Page 1 of Attachment 3 lists the elements of review completed for the purpose of each row heading to demonstrate the scope and extent of the quarterly QA/QC evaluation. Also included are copies of the EMSI LDAR Technician Assessments.

f. A description of trainings done in accordance with this Consent Decree;

Paragraph 38 of the Consent Decree requires that Merit develop a training protocol (or require its contractor to develop a training protocol for the contractor's employees) and further ensure that all LDAR Personnel have completed training on all aspects of LDAR, including the ELP, relevant to the persons' duties. The required training protocol was developed on October 7, 2015. Merit conducted an initial training for its Kalkaska Gas Plant employee's (i.e., LDAR Personnel) and LDAR contractors on October 21 and 29, 2015. Refresher training was completed on September 21 and 29, 2016. Merit also trains any new employee or contractor that performs any LDAR related work as part of our Kalkaska Gas Plant orientation program.

The Merit training protocol includes training elements pertaining to the Kalkaska ELP, LDAR job requirements and expectations, AVO inspection review, repair attempt timeframes and requirements, Management of Change requirements, Low-E valve and valve packing requirements, and a review of stipulated penalty provision in the Consent Decree.

Annual refresher training is currently scheduled to be undertaken in September 2017.

EMSI conducts its own ELP site specific training with each of their personnel pursuant to a training protocol developed under the terms of the Consent Decree. This training covers ELP requirements, identifying equipment, monitoring equipment and Method 21 procedures, leak thresholds per equipment types, and QA/QC standards.

g. Any deviations identified in the QA/QC performed under Subsection V.J [Paragraphs 39 and 40 of the Consent Decree], as well as any corrective actions taken under that Subsection;

No deviations were identified in the QA/QC.

h. A summary of LDAR audit results including specifically identifying all alleged deficiencies [Paragraphs 41 through 46 of the Consent Decree]; and

A LDAR audit was not required in 2017. The next LDAR audit is scheduled for June 2018.

i. The status of all actions under any Corrective Action Plan (CAP) that was submitted during the reporting period; unless the CAP was submitted less than one month before the compliance status report [Paragraph 46 of the Consent Decree].

Per Consent Decree Paragraph 41, the next LDAR audit is scheduled for June 2018. Based upon the results of the June 2018 LDAR Audit, a CAP will be submitted following that audit, if necessary.

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.



Sean F. Craven
Merit Energy Co.

ATTACHMENT 1

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:			Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: CRYO Area: CRYO														
E-7020 PRODUCT EXCH	2394-000	VALVE	SOUTHWEST CORNER OF SKID AT CL FCV7110	N	1/9/2017	DAVID DIEHL	11409	1521	0	1/9/2017	CLEAN LEAK AREA	1/9/2017	849	0
E-7020 PRODUCT EXCH	2394-000	VALVE	SOUTHWEST CORNER OF SKID AT CL FCV7110							1/23/2017	TIGHTENED	1/23/2017	742	0
E-7020 PRODUCT EXCH	2394-000	VALVE	SOUTHWEST CORNER OF SKID AT CL FCV7110							3/21/2017	REPLACED COMPONENT LOW-E	3/21/2017	25	0
E-7040 DEMETH SIDE HEATER	2357-000	VALVE	SOUTHSIDE OF P7120 ON SKID AT CL FCV7080	N	7/25/2016	JOE REYNOLDS	10019	1305	0	7/25/2016	CLEAN LEAK AREA	7/25/2016	1733	0
E-7040 DEMETH SIDE HEATER	2357-000	VALVE	SOUTHSIDE OF P7120 ON SKID AT CL FCV7080							8/9/2016	REPLACED COMPONENT LOW-E	8/9/2016	4	0
K-7140 COMPRESSOR PACKAGE	2873A-000	VALVE	INSIDE WEST ANALYZER BUILDING	N	7/25/2016	JOE REYNOLDS	10019	748	0	7/25/2016	CLEAN LEAK AREA	7/25/2016	977	0
K-7140 COMPRESSOR PACKAGE	2873A-000	VALVE	INSIDE WEST ANALYZER BUILDING							8/9/2016	REPLACED COMPONENT LOW-E	8/9/2016	33	0
P-7130 DEMETH BOTTOMS PMP	2231-000	VALVE	6FT NORTH WESTSIDE OF T-7110 OVHD ON FLARE LINE FROM PUMPS UP LADDER	N	7/25/2016	JOE REYNOLDS	10019	6213	0	7/25/2016	CLEAN LEAK AREA	7/25/2016	5831	0
P-7130 DEMETH BOTTOMS PMP	2231-000	VALVE	6FT NORTH WESTSIDE OF T-7110 OVHD ON FLARE LINE FROM PUMPS UP LADDER							8/9/2016	REPLACED PKG LOW-E	8/9/2016	78	0
T-7110 DEMETHANIZER	2223-000	VALVE	1ST LEVEL OF T-7110 UP LADDER OVHD AT TOP OF FILTER	N	7/25/2016	JOE REYNOLDS	10019	5735	0	7/25/2016	CLEAN LEAK AREA	7/25/2016	3133	0
T-7110 DEMETHANIZER	2223-000	VALVE	1ST LEVEL OF T-7110 UP LADDER OVHD AT TOP OF FILTER							8/9/2016	REPLACED PKG LOW-E	8/9/2016	55	0

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:			Reinspection:			
					Date:	Inspector:	Instr:	Date:	Instr:	Bkg:	Date:	PPM:	Bkg:	
Unit: CRYO														
Area: CRYO														
T-7110 DEMETHANIZER	2223-000	VALVE	1ST LEVEL OF T-7110 UP LADDER OVHD AT TOP OF FILTER	N	1/9/2017	DAVID DIEHL	11409	713	0	1/9/2017	CLEAN LEAK AREA	1/9/2017	599	0
T-7110 DEMETHANIZER	2223-000	VALVE	1ST LEVEL OF T-7110 UP LADDER OVHD AT TOP OF FILTER							1/23/2017	REPLACED PKG LOW-E	1/23/2017	60	0
V-7090 COLD SEPERATOR	2288-000	VALVE	WESTSIDE OF THE COLD SEPERATOR	N	1/9/2017	DAVID DIEHL	11409	1631	0	1/9/2017	CLEAN LEAK AREA	1/9/2017	738	0
V-7090 COLD SEPERATOR	2288-000	VALVE	WESTSIDE OF THE COLD SEPERATOR							1/23/2017	REPLACED PKG LOW-E	1/23/2017	8	0
V-7090 COLD SEPERATOR	2294-000	VALVE	NORTHEAST SIDE OF V-7090 AT DPCELL	N	1/9/2017	DAVID DIEHL	11409	875	0	1/9/2017	CLEAN LEAK AREA	1/9/2017	1169	0
V-7090 COLD SEPERATOR	2294-000	VALVE	NORTHEAST SIDE OF V-7090 AT DPCELL							1/23/2017	TIGHTENED	1/23/2017	8576	0
V-7090 COLD SEPERATOR	2294-000	VALVE	NORTHEAST SIDE OF V-7090 AT DPCELL							3/21/2017	REPLACED COMPONENT LOW-E	3/21/2017	18	0
V-7090 COLD SEPERATOR	2296-000	VALVE	NORTHEAST SIDE OF V-7090 AT DPCELL	N	10/6/2016	JOE REYNOLDS	11409	918	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	1138	0
V-7090 COLD SEPERATOR	2296-000	VALVE	NORTHEAST SIDE OF V-7090 AT DPCELL							10/19/2016	REPLACED PKG LOW-E	10/19/2016	12	0
V-7090 COLD SEPERATOR	2418-000	VALVE	8FT SOUTH OF EXCHANGER VESSEL ON SKID AT CL PCV 7090 ON FLARE LINE	N	7/25/2016	JOE REYNOLDS	10019	1353	0	7/25/2016	CLEAN LEAK AREA	7/25/2016	4696	0
V-7090 COLD SEPERATOR	2418-000	VALVE	8FT SOUTH OF EXCHANGER VESSEL ON SKID AT CL PCV 7090 ON FLARE LINE							8/9/2016	REPLACED COMPONENT LOW-E	8/9/2016	9	0

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:		ReInspection:				
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	PPM:	Bkg:		
Unit: CRYO														
Area: CRYO														
V-7090 COLD SEPERATOR	2464E-000	VALVE	5FT SOUTH OF COLD SEPERATOR EAST OF GREEN ANALYZER BUILDING AT METH. TNK TOP SG	N	1/9/2017	DAVID DIEHL	11409	871	0	1/9/2017	CLEAN LEAK AREA	1/9/2017	1291	0
Unit: FLARE														
Area: Flare														
30-9 CLOSED DRAIN SEPERATOR	2471-000	VALVE	NORTH EASTSIDE OF 30-9 CLOSED DRAIN SEPERATOR AT PI	N	4/18/2017	ALAN HUBBARD	11720	555	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	547	0
30-9 CLOSED DRAIN SEPERATOR	2471-000	VALVE	NORTH EASTSIDE OF 30-9 CLOSED DRAIN SEPERATOR AT PI							4/28/2017	REPLACED PKG LOW-E	4/28/2017	4	0
Unit: FLARE														
Area: Flare Header														
HEADER	2116-000	VALVE	TOP OF V8 2901 ONSLINE TO FLARE	N	4/18/2017	ALAN HUBBARD	11720	1086	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	838	0
HEADER	2116-000	VALVE	TOP OF V8 2901 ONSLINE TO FLARE							4/28/2017	REPLACED PKG LOW-E	4/28/2017	6	0
HEADER	2643-000	VALVE	20FT EASTSIDE OF 30-18 BETWEEN FINFANS AT FCV2801	N	4/18/2017	ALAN HUBBARD	11720	552	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	790	0
HEADER	2643-000	VALVE	20FT EASTSIDE OF 30-18 BETWEEN FINFANS AT FCV2801							4/28/2017	REPLACED PKG LOW-E	4/28/2017	36	0
HEADER	2645-000	VALVE	20FT EASTSIDE OF 30-18 BETWEEN FINFANS AT FCV2801	N	4/18/2017	ALAN HUBBARD	11720	663	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	500	0
HEADER	2645-000	VALVE	20FT EASTSIDE OF 30-18 BETWEEN FINFANS AT FCV2801							4/28/2017	REPLACED PKG LOW-E	4/28/2017	361	0
HEADER	2647-000	VALVE	20FT EASTSIDE OF 30-18 BETWEEN FINFANS AT FCV2801	N	10/6/2016	ALAN HUBBARD	10427	1168	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	2179	0

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: GAS DEHYDRATION														
Area: INLET GAS														
30-4 SCRUBBER	1416-000	VALVE	NORTHSIDE OF 30-4 AT DPCCELL	N	9/21/2016	JOE REYNOLDS	10019	3262	0	9/21/2016	CLEAN LEAK AREA	9/21/2016	760	0
30-4 SCRUBBER	1416-000	VALVE	NORTHSIDE OF 30-4 AT DPCCELL							10/4/2016	REPLACED COMPONENT LOW-E	10/4/2016	8	0
30-4 SCRUBBER	1417-000	VALVE	NORTHSIDE OF 30-4 AT DPCCELL	N	7/26/2016	JOE REYNOLDS	10019	6801	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	12200	0
30-4 SCRUBBER	1417-000	VALVE	NORTHSIDE OF 30-4 AT DPCCELL							8/10/2016	REPLACED PKG LOW-E	8/10/2016	52	0
30-4 SCRUBBER	1417-000	VALVE	NORTHSIDE OF 30-4 AT DPCCELL	N	9/21/2016	JOE REYNOLDS	10019	561	0	9/21/2016	CLEAN LEAK AREA	9/21/2016	700	0
30-4 SCRUBBER	1417-000	VALVE	NORTHSIDE OF 30-4 AT DPCCELL							10/4/2016	REPLACED COMPONENT LOW-E	10/4/2016	8	0
30-4 SCRUBBER	1422-000	VALVE	NORTHSIDE OF 30-4 BEHIND HIGH SG	N	7/26/2016	JOE REYNOLDS	10019	791	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	791	0
30-4 SCRUBBER	1422-000	VALVE	NORTHSIDE OF 30-4 BEHIND HIGH SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	14	0
30-5A GAS DEHYDRATOR	1388-000	VALVE	7FT NORTHWEST SIDE OF 30-5B AT SAMPLESTATION	N	7/26/2016	JOE REYNOLDS	10019	536	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	646	0
30-5A GAS DEHYDRATOR	1388-000	VALVE	7FT NORTHWEST SIDE OF 30-5B AT SAMPLESTATION							8/10/2016	REPLACED PKG LOW-E	8/10/2016	8	0
30-5A GAS DEHYDRATOR	1473-000	VALVE	15FT SOUTHWEST OF GREEN ETHANE COMP BUILDING AT CL	N	1/12/2017	ALAN HUBBARD	11720	1528	0	1/12/2016	CLEAN LEAK AREA	1/12/2016	5519	0

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: GAS DEHYDRATION Area: INLET GAS														
30-5A GAS DEHYDRATOR	1473-000	VALVE	15FT SOUTHWEST OF GREEN ETHANE COMP BUILDING AT CL							1/23/2017	REPLACED PKG LOW-E	1/23/2017	7	0
30-5A GAS DEHYDRATOR	1473-000	VALVE	15FT SOUTHWEST OF GREEN ETHANE COMP BUILDING AT CL	N	ALAN HUBBARD	11720	4386	0		3/21/2017	CLEAN LEAK AREA	3/21/2017	2542	0
30-5A GAS DEHYDRATOR	1473-000	VALVE	15FT SOUTHWEST OF GREEN ETHANE COMP BUILDING AT CL							4/4/2017	REPLACED COMPONENT LOW-E	4/4/2017	14	0
30-5A GAS DEHYDRATOR	1477-000	VALVE	15FT SOUTHWEST OF GREEN ETHANE COMP BUILDING AT CL	N	ALAN HUBBARD	11720	685	0		1/12/2016	CLEAN LEAK AREA	1/12/2016	3480	0
30-5A GAS DEHYDRATOR	1477-000	VALVE	15FT SOUTHWEST OF GREEN ETHANE COMP BUILDING AT CL							1/23/2017	REPLACED PKG LOW-E	1/23/2017	14	0
30-5C GAS DEHYDRATOR	1441-000	VALVE	6FT WESTSIDE OF 30-5C 10FT OVHD	N	GAYLAND WILLIAMS	11720	4075	0		4/4/2017	CLEAN LEAK AREA	4/4/2017	688	0
30-5C GAS DEHYDRATOR	1441-000	VALVE	6FT WESTSIDE OF 30-5C 10FT OVHD							4/18/2017	REPLACED PKG LOW-E	4/18/2017	12	0
30-5C GAS DEHYDRATOR	1441-000	VALVE	6FT WESTSIDE OF 30-5C 10FT OVHD	N	ALAN HUBBARD	11720	730	0		6/27/2017	CLEAN LEAK AREA	6/27/2017	1337	0
30-5C GAS DEHYDRATOR	1441-000	VALVE	6FT WESTSIDE OF 30-5C 10FT OVHD							7/11/2017	REPLACED COMPONENT LOW-E	7/11/2017	185	0
30-5C GAS DEHYDRATOR	1456-000	VALVE	TOP PLATFORM OF 30-5C	N	JOE REYNOLDS	10019	623	0		7/26/2016	CLEAN LEAK AREA	7/26/2016	923	0
30-5C GAS DEHYDRATOR	1456-000	VALVE	TOP PLATFORM OF 30-5C							8/10/2016	REPLACED PKG LOW-E	8/10/2016	18	0

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: GAS DEHYDRATION														
Area: INLET GAS														
FF-201 FILTER	1785-000	VALVE	WESTSIDE OF FF201 15FT OVHD	N	1/12/2017	ALAN HUBBARD	11720	548	0	1/12/2016	CLEAN LEAK AREA	1/12/2016	516	0
FF-201 FILTER	1785-000	VALVE	WESTSIDE OF FF201 15FT OVHD							1/23/2017	REPLACED PKG LOW-E	1/23/2017	15	0
FF-201 FILTER	1796-000	VALVE	EASTSIDE OF FF201 ON TOP	N	1/12/2017	ALAN HUBBARD	11720	742	0	1/12/2016	CLEAN LEAK AREA	1/12/2016	3448	0
FF-201 FILTER	1796-000	VALVE	EASTSIDE OF FF201 ON TOP							1/23/2017	REPLACED PKG LOW-E	1/23/2017	74	0
FF-201 FILTER	1797-000	VALVE	EASTSIDE OF FF201 ON BOTTOM	N	10/5/2016	JOE REYNOLDS	11409	4289	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	6487	0
FF-201 FILTER	1797-000	VALVE	EASTSIDE OF FF201 ON BOTTOM							10/19/2016	REPLACED PKG LOW-E	10/19/2016	274	0
FF-201 FILTER	1797-000	VALVE	EASTSIDE OF FF201 ON BOTTOM	N	12/14/2016	ALAN HUBBARD	11409	3723	0	12/14/2016	CLEAN LEAK AREA	12/14/2016	565	0
FF-201 FILTER	1797-000	VALVE	EASTSIDE OF FF201 ON BOTTOM							12/14/2016	REPLACED PKG LOW-E	12/14/2016	34	0
Unit: INLET GAS														
Area: INLET GAS														
G8-201	1305-000	VALVE	SOUTHSIDE OF G8-201 TREATED GAS LINE	N	1/12/2017	ALAN HUBBARD	11720	962	0	1/12/2017	CLEAN LEAK AREA	1/12/2017	1548	0
G8-201	1305-000	VALVE	SOUTHSIDE OF G8-201 TREATED GAS LINE							1/23/2017	REPLACED PKG LOW-E	1/23/2017	23	0

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:			Reinspection:				
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:	
Unit: INLET GAS													Area: INLET GAS		
G8-201	1306-000	VALVE	SOUTHSIDE OF G8-201 TREATED GAS LINE	N	1/12/2017	ALAN HUBBARD	11720	682	0	1/12/2017	CLEAN LEAK AREA	1/12/2017	507	0	
G8-201	1306-000	VALVE	SOUTHSIDE OF G8-201 TREATED GAS LINE							1/23/2017	TIGHTENED	1/23/2017	185	0	
Unit: PREBOOST													Area: PREBOOST		
2-5A PREBOOST COOLER	2633-000	VALVE	5FT EASTSIDE OF 30-18 AT PREBOOST RECYCLE PCV7501	N	1/9/2017	DAVID DIEHL	11409	1217	0	1/9/2017	CLEAN LEAK AREA	1/9/2017	2745	0	
2-5A PREBOOST COOLER	2633-000	VALVE	5FT EASTSIDE OF 30-18 AT PREBOOST RECYCLE PCV7501							1/23/2017	TIGHTENED	1/23/2017	379	0	
2-5A PREBOOST COOLER	2633-000	VALVE	5FT EASTSIDE OF 30-18 AT PREBOOST RECYCLE PCV7501							3/21/2017	REPLACED PKG LOW-E	3/21/2017	18	0	
2-5A PREBOOST COOLER	2679-000	VALVE	WESTSIDE OF PREBOOST COOLER G/8	N	10/6/2016	ALAN HUBBARD	10427	596	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	515	0	
2-5A PREBOOST COOLER	2679-000	VALVE	WESTSIDE OF PREBOOST COOLER G/8							10/19/2016	REPLACED PKG LOW-E	10/19/2016	20	0	
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2618-000	VALVE	WESTSIDE OF 30-19 AT BOTTOM OF SG	N	7/26/2016	ALAN HUBBARD	10025	2067	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	1518	0	
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2618-000	VALVE	WESTSIDE OF 30-19 AT BOTTOM OF SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	201	0	
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2619-000	VALVE	WESTSIDE OF 30-19 AT DPCELL LT218	N	10/6/2016	JOE REYNOLDS	11409	12900	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	3272	0	

Leak History

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: PREBOOST Area: PREBOOST														
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2619-000	VALVE	WESTSIDE OF 30-19 AT DPCCELL LT218							10/19/2016	REPLACED PKG LOW-E	10/19/2016	23	0
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2619-000	VALVE	WESTSIDE OF 30-19 AT DPCCELL LT218	N	11/16/2016	JOE REYNOLDS	11409	12100	0	11/16/2016	CLEAN LEAK AREA	11/16/2016	31800	0
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2619-000	VALVE	WESTSIDE OF 30-19 AT DPCCELL LT218							11/16/2016	REPLACED PKG LOW-E	11/16/2016	10	0
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2622-000	VALVE	WESTSIDE OF 30-19 AT BOTTOM OF FILTER	N	7/26/2016	ALAN HUBBARD	10025	1858	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	1466	0
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2622-000	VALVE	WESTSIDE OF 30-19 AT BOTTOM OF FILTER							8/10/2016	REPLACED PKG LOW-E	8/10/2016	87	0
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2623-000	VALVE	WESTSIDE OF 30-19 AT BOTTOM OF FILTER	N	7/26/2016	ALAN HUBBARD	10025	4520	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	605	0
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2623-000	VALVE	WESTSIDE OF 30-19 AT BOTTOM OF FILTER							8/10/2016	REPLACED PKG LOW-E	8/10/2016	88	0
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2627-000	VALVE	WESTSIDE OF 30-19 AT TOP OF SG	N	7/26/2016	ALAN HUBBARD	10025	874	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	1385	0
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2627-000	VALVE	WESTSIDE OF 30-19 AT TOP OF SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	98	0
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2655-000	VALVE	15FT NORTH EASTSIDE OF 30-18 BETWEEN FINFANS IN PIPERACK AT PCV 2805	N	10/6/2016	ALAN HUBBARD	10427	612	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	529	0
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2655-000	VALVE	15FT NORTH EASTSIDE OF 30-18 BETWEEN FINFANS IN PIPERACK AT PCV 2805							10/19/2016	REPLACED PKG LOW-E	10/19/2016	17	0

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: PREBOOST														
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2660-000	VALVE	3ft EAST OF 30-18	N	10/6/2016	ALAN HUBBARD	10427	739	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	1954	0
30-19 PREBOOST COMPRESSOR SUCTION SCRUBBER	2660-000	VALVE	3ft EAST OF 30-18							10/19/2016	REPLACED PKG LOW-E	10/19/2016	7	0
F-7510 PREBOOST DISCHARGE FILTER	2739-000	VALVE	INSIDE COMPRESSOR BUILDING ON NORTH SIDE OF K-7500 AT K-7510 10FT OVHD	N	7/28/2016	ALAN HUBBARD	10025	20100	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	524	0
F-7510 PREBOOST DISCHARGE FILTER	2739-000	VALVE	INSIDE COMPRESSOR BUILDING ON NORTH SIDE OF K-7500 AT K-7510 10FT OVHD							8/10/2016	REPLACED PKG LOW-E	8/10/2016	86	0
FUEL GAS SCRUBBER	2727F-000	VALVE	AT FUEL GAS SCRUBBER SG	N	7/28/2016	ALAN HUBBARD	10025	85400	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	25000	0
FUEL GAS SCRUBBER	2727F-000	VALVE	AT FUEL GAS SCRUBBER SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	69	0
FUEL GAS SCRUBBER	2727G-000	VALVE	AT FUEL GAS SCRUBBER SG	N	10/6/2016	ALAN HUBBARD	10427	7153	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	3474	0
FUEL GAS SCRUBBER	2727G-000	VALVE	AT FUEL GAS SCRUBBER SG							10/19/2016	REPLACED PKG LOW-E	10/19/2016	24	0
K-7500 PREBOOST GAS COMPRESSOR	2734-000	VALVE	INSIDE COMPRESSOR BUILDING ON NORTH SIDE OF K-7500 SDV7500	N	1/11/2017	ALAN HUBBARD	11720	1192	0	1/11/2017	CLEAN LEAK AREA	1/11/2017	4060	0
K-7500 PREBOOST GAS COMPRESSOR	2734-000	VALVE	INSIDE COMPRESSOR BUILDING ON NORTH SIDE OF K-7500 SDV7500							3/21/2017	REPLACED PKG LOW-E	3/21/2017	85	0
Unit: REFRIGERANT														
					Area: Refridgerant									

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					Date:	Inspector:	Instr:	Date:	Type:	Date:	PPM:	Bkg:		
Unit: REFRIGERANT														
G8-2902 DE-OILER EXCHER	1222-000	VALVE	WESTSIDE OF G8-2902 TOP OF VESSEL 10FT OVHD	N	7/26/2016	JOE REYNOLDS	10019	701	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	989	0
G8-2902 DE-OILER EXCHER	1222-000	VALVE	WESTSIDE OF G8-2902 TOP OF VESSEL 10FT OVHD							8/10/2016	REPLACED PKG LOW-E	8/10/2016	54	0
G8-2903 REFRIGERANT DE-OILER	1249-000	VALVE	10FT SOUTHSIDE OF G8-2902 NEAR SKID	N	7/26/2016	JOE REYNOLDS	10019	761	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	762	0
G8-2903 REFRIGERANT DE-OILER	1249-000	VALVE	10FT SOUTHSIDE OF G8-2902 NEAR SKID							8/10/2016	REPLACED PKG LOW-E	8/10/2016	32	0
G8-2903 REFRIGERANT DE-OILER	2523-000	VALVE	WESTSIDE OF G8 2903 REFRIGERANT DEOILER AT BOTTOM OF SG	N	10/6/2016	JOE REYNOLDS	11409	952	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	843	0
G8-2903 REFRIGERANT DE-OILER	2523-000	VALVE	WESTSIDE OF G8 2903 REFRIGERANT DEOILER AT BOTTOM OF SG							10/19/2016	REPLACED PKG LOW-E	10/19/2016	16	0
G8-402 GAS CHILLER	1176-000	VALVE	NORTHSIDE OF G8-402 AT BOTTOM OF SG	N	7/26/2016	JOE REYNOLDS	10019	537	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	518	0
G8-402 GAS CHILLER	1176-000	VALVE	NORTHSIDE OF G8-402 AT BOTTOM OF SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	103	0
G8-402 GAS CHILLER	1197-000	VALVE	WESTSIDE OF G8-402 AT ORIFACE	N	7/26/2016	JOE REYNOLDS	10019	533	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	507	0
G8-402 GAS CHILLER	1197-000	VALVE	WESTSIDE OF G8-402 AT ORIFACE							8/10/2016	REPLACED PKG LOW-E	8/10/2016	6	0
G8-402 GAS CHILLER	1200-000	VALVE	EASTSIDE OF G8-2903	N	1/12/2017	DAVID DIEHL	11409	944	0	1/12/2017	CLEAN LEAK AREA	1/12/2017	1051	0

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					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: REFRIGERANT Area: Refridgerant														
G8-402 GAS CHILLER	1200-000	VALVE	EASTSIDE OF G8-2903							1/23/2017	REPLACED PKG LOW-E	1/23/2017	86	0
G8-402 GAS CHILLER	1202-000	VALVE	EASTSIDE OF G8-2903	N	7/26/2016	JOE REYNOLDS	10019	1895	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	3944	0
G8-402 GAS CHILLER	1202-000	VALVE	EASTSIDE OF G8-2903							8/10/2016	TIGHTENED PKG	8/10/2016	550	0
G8-402 GAS CHILLER	2081-000	VALVE	6FT NORTHEAST SIDE OF 30-11 ON FRAC PLANT FEED LINE	N	10/6/2016	JOE REYNOLDS	11409	22200	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	22500	0
G8-402 GAS CHILLER	2081-000	VALVE	6FT NORTHEAST SIDE OF 30-11 ON FRAC PLANT FEED LINE							10/19/2016	REPLACED PKG LOW-E	10/19/2016	11	0
G8-402 GAS CHILLER	2089-000	VALVE	6FT NORTHEAST SIDE OF 30-11 ON FRAC PLANT FEED LINE	N	10/6/2016	JOE REYNOLDS	11409	1444	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	2319	0
G8-402 GAS CHILLER	2089-000	VALVE	6FT NORTHEAST SIDE OF 30-11 ON FRAC PLANT FEED LINE							10/19/2016	REPLACED PKG LOW-E	10/19/2016	2530	0
G8-402 GAS CHILLER	2089-000	VALVE	6FT NORTHEAST SIDE OF 30-11 ON FRAC PLANT FEED LINE							10/19/2016	REPLACED PKG LOW-E	10/19/2016	480	0
G8-402 GAS CHILLER	2089-000	VALVE	6FT NORTHEAST SIDE OF 30-11 ON FRAC PLANT FEED LINE	N	4/18/2017	ALAN HUBBARD	11720	2204	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	1936	0
G8-402 GAS CHILLER	2089-000	VALVE	6FT NORTHEAST SIDE OF 30-11 ON FRAC PLANT FEED LINE							4/28/2017	REPLACED PKG LOW-E	4/28/2017	52	0
G8-402 GAS CHILLER	2090-000	VALVE	6FT NORTHEAST SIDE OF 30-11 ON FRAC PLANT FEED LINE SDV4	N	10/6/2016	JOE REYNOLDS	11409	33300	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	14400	0

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					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: REFRIGERANT														
Area: Refridgerant														
G8-402 GAS CHILLER	2090-000	VALVE	6FT NORTHEAST SIDE OF 30-11 ON FRAC PLANT FEED LINE SDV4							10/19/2016	REPLACED PKG LOW-E	10/19/2016	7	0
G8-604 PROPANE PRODUCT COOLER	2040-000	VALVE	SOUTHWEST SIDE OF G8 604 AT CL LV2910	N	10/6/2016	JOE REYNOLDS	11409	710	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	682	0
G8-604 PROPANE PRODUCT COOLER	2040-000	VALVE	SOUTHWEST SIDE OF G8 604 AT CL LV2910							10/19/2016	REPLACED PKG LOW-E	10/19/2016	18	0
G8-604 PROPANE PRODUCT COOLER	2042-000	VALVE	SOUTHWEST SIDE OF G8 604 AT CL LV2910	N	10/6/2016	JOE REYNOLDS	11409	1566	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	1524	0
G8-604 PROPANE PRODUCT COOLER	2042-000	VALVE	SOUTHWEST SIDE OF G8 604 AT CL LV2910							10/19/2016	TIGHTENED PACKING	10/19/2016	593	0
G8-604 PROPANE PRODUCT COOLER	2042-000	VALVE	SOUTHWEST SIDE OF G8 604 AT CL LV2910							4/18/2017	REPLACED PKG LOW-E	4/18/2017	11	0
G8-604 PROPANE PRODUCT COOLER	2043-000	VALVE	SOUTHWEST SIDE OF G8 604 AT CL LV2910	N	4/18/2017	ALAN HUBBARD	11720	753	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	1953	0
G8-604 PROPANE PRODUCT COOLER	2043-000	VALVE	SOUTHWEST SIDE OF G8 604 AT CL LV2910							4/28/2017	REPLACED PKG LOW-E	4/28/2017	17	0
G8-604 PROPANE PRODUCT COOLER	2044-000	VALVE	SOUTHWEST SIDE OF G8 604 AT CL LV2910	N	7/26/2016	JOE REYNOLDS	10019	724	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	591	0
G8-604 PROPANE PRODUCT COOLER	2044-000	VALVE	SOUTHWEST SIDE OF G8 604 AT CL LV2910							8/10/2016	REPLACED PKG LOW-E	8/10/2016	5	0
G8-604 PROPANE PRODUCT COOLER	2048-000	VALVE	TOP PLATFORM SOUTHSIDE OF G8 604	N	10/6/2016	JOE REYNOLDS	11409	507	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	529	0

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					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: REFRIGERANT Area: Refridgerant														
G8-604 PROPANE PRODUCT COOLER	2048-000	VALVE	TOP PLATFORM SOUTHSIDE OF G8 604							10/19/2016	REPLACED PKG LOW-E	10/19/2016	200	0
G8-604 PROPANE PRODUCT COOLER	2052-000	VALVE	TOP PLATFORM SOUTHSIDE OF G8 604	N	4/18/2017	ALAN HUBBARD	11720	768	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	685	0
G8-604 PROPANE PRODUCT COOLER	2052-000	VALVE	TOP PLATFORM SOUTHSIDE OF G8 604							4/28/2017	REPLACED PKG LOW-E	4/28/2017	11	0
G8-604 PROPANE PRODUCT COOLER	2057-000	VALVE	TOP PLATFORM SOUTHSIDE OF G8 604 TOP OF SG	N	10/6/2016	JOE REYNOLDS	11409	27800	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	30800	0
G8-604 PROPANE PRODUCT COOLER	2057-000	VALVE	TOP PLATFORM SOUTHSIDE OF G8 604 TOP OF SG							10/19/2016	REPLACED PKG LOW-E	10/19/2016	8	0
K-7610 WEST REFRIGERATION COMP	2794-000	VALVE	EASTSIDE OF K7610	N	7/28/2016	ALAN HUBBARD	10025	4275	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	28700	0
K-7610 WEST REFRIGERATION COMP	2794-000	VALVE	EASTSIDE OF K7610							8/10/2016	REPLACED PKG LOW-E	8/10/2016	22	0
K-7610 WEST REFRIGERATION COMP	2795-000	VALVE	EASTSIDE OF K7610	N	1/11/2017	ALAN HUBBARD	11720	814	0	1/11/2017	CLEAN LEAK AREA	1/11/2017	9784	0
K-7610 WEST REFRIGERATION COMP	2795-000	VALVE	EASTSIDE OF K7610							1/23/2017	REPLACED PKG LOW-E	1/23/2017	20	0
V-7220	3143-000	VALVE	WESTSIDE OF V-7220 RICH AMINE FLASH TANK	N	7/27/2016	ALAN HUBBARD	10025	4734	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	2180	0
V-7220	3143-000	VALVE	WESTSIDE OF V-7220 RICH AMINE FLASH TANK							8/10/2016	REPLACED PKG LOW-E	8/10/2016	7	0

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					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: REFRIGERANT														
Area: Refridgerant														
V-7220	3149-000	VALVE	WESTSIDE OF V-7220 RICH AMINE FLASH TANK AT DPCCELL FT7451	N	1/11/2017	ALAN HUBBARD	11720	1451	0	1/11/2017	CLEAN LEAK AREA	1/11/2017	3210	0
V-7220	3149-000	VALVE	WESTSIDE OF V-7220 RICH AMINE FLASH TANK AT DPCCELL FT7451							1/23/2017	TIGHTENED	1/23/2017	175	0
V-7220	3149-000	VALVE	WESTSIDE OF V-7220 RICH AMINE FLASH TANK AT DPCCELL FT7451							3/21/2017	REPLACED PKG LOW-E	3/21/2017	17	0
V8-2901 REFRIGERANT SURGE TNK	2104-000	VALVE	EASTSIDE OF V8 2901 AT BOTTOM OF SG	N	10/6/2016	JOE REYNOLDS	11409	1441	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	949	0
V8-2901 REFRIGERANT SURGE TNK	2104-000	VALVE	EASTSIDE OF V8 2901 AT BOTTOM OF SG							10/19/2016	TIGHTEN PACKING	10/19/2016	767	0
V8-2901 REFRIGERANT SURGE TNK	2104-000	VALVE	EASTSIDE OF V8 2901 AT BOTTOM OF SG							11/16/2016	TIGHTEN TRANSMITTER CONNECTOR	11/16/2016	5	0
V8-2901 REFRIGERANT SURGE TNK	2106-000	VALVE	EASTSIDE OF V8 2901 AT BOTTOM OF FILTER	N	10/6/2016	JOE REYNOLDS	11409	569	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	1102	0
V8-2901 REFRIGERANT SURGE TNK	2106-000	VALVE	EASTSIDE OF V8 2901 AT BOTTOM OF FILTER							10/19/2016	REPLACED PKG LOW-E	10/19/2016	15	0
V8-2901 REFRIGERANT SURGE TNK	2108-000	VALVE	EASTSIDE OF V8 2901 AT TOP OF FILTER	N	10/6/2016	JOE REYNOLDS	11409	1474	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	2495	0
V8-2901 REFRIGERANT SURGE TNK	2108-000	VALVE	EASTSIDE OF V8 2901 AT TOP OF FILTER							10/19/2016	REPLACED PKG LOW-E	10/19/2016	16	0
V8-2901 REFRIGERANT SURGE TNK	2112-000	VALVE	EASTSIDE OF V8 2901 AT TOP OF SG	N	10/6/2016	JOE REYNOLDS	11409	832	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	491	0

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: REFRIGERANT														
Area: Refridgerant														
V8-2901 REFRIGERANT SURGE TNK	2139-000	VALVE	TOP OF V8 2901 AT WESTSIDE OF VESSEL	N	7/26/2016	JOE REYNOLDS	10019	569	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	666	0
V8-2901 REFRIGERANT SURGE TNK	2139-000	VALVE	TOP OF V8 2901 AT WESTSIDE OF VESSEL							8/10/2016	REPLACED PKG LOW-E	8/10/2016	201	0
V8-2901 REFRIGERANT SURGE TNK	2139-000	VALVE	TOP OF V8 2901 AT WESTSIDE OF VESSEL	N	10/6/2016	JOE REYNOLDS	11409	740	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	302	0
V8-301 REFRIGERANT ECONOMIZER	2543-000	VALVE	5FT SOUTHWEST SIDE OF V8 301 ECONOMIZER AT PI	N	10/6/2016	JOE REYNOLDS	11409	1241	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	264	0
V8-301 REFRIGERANT ECONOMIZER	2543-000	VALVE	5FT SOUTHWEST SIDE OF V8 301 ECONOMIZER AT PI	N	4/18/2017	ALAN HUBBARD	11720	1004	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	1516	0
V8-301 REFRIGERANT ECONOMIZER	2543-000	VALVE	5FT SOUTHWEST SIDE OF V8 301 ECONOMIZER AT PI							4/28/2017	REPLACED COMPONENT LOW-E	4/28/2017	21	0
V8-301 REFRIGERANT ECONOMIZER	2567-000	VALVE	WESTSIDE OF V8 301 ECONOMIZER ON WALKWAY AT TOP OF SG	N	4/18/2017	ALAN HUBBARD	11720	14149	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	19644	0
V8-301 REFRIGERANT ECONOMIZER	2567-000	VALVE	WESTSIDE OF V8 301 ECONOMIZER ON WALKWAY AT TOP OF SG							4/28/2017	REPLACED PKG LOW-E	4/28/2017	15	0
V8-301 REFRIGERANT ECONOMIZER	2579-000	VALVE	SOUTHEAST SIDE OF V8 301 ECONOMIZER AT CL LCV/PCV 302	N	7/26/2016	JOE REYNOLDS	10019	1080	0	7/26/2016	CLEAN LEAK AREA	7/26/2016	1916	0
V8-301 REFRIGERANT ECONOMIZER	2579-000	VALVE	SOUTHEAST SIDE OF V8 301 ECONOMIZER AT CL LCV/PCV 302							8/10/2016	REPLACED PKG LOW-E	8/10/2016	6	0
V8-301 REFRIGERANT ECONOMIZER	2595-000	VALVE	5FT NORTHEAST OF FINFAN NORTH OF F7005 CRYO PREFILTER	N	4/18/2017	ALAN HUBBARD	11720	5875	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	732	0

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:			Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: REFRIGERANT														
V8-301 REFRIGERANT ECONOMIZER	2595-000	VALVE	5FT NORTHEAST OF FINFAN NORTH OF F7005 CRYO PREFILTER							4/28/2017	REPLACED PKG LOW-E	4/28/2017	24	0
Unit: STABILIZER														
Area: Inlet Gas & Liquid														
GB401 STABILIZER PREHEATER	1045-000	VALVE	OUTSIDE OF INLET GAS LIQUID SHACK NEAR FENCE	N	7/28/2016	ALAN HUBBARD	10025	1338	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	1024	0
GB401 STABILIZER PREHEATER	1045-000	VALVE	OUTSIDE OF INLET GAS LIQUID SHACK NEAR FENCE							8/10/2016	REPLACED PKG LOW-E	8/10/2016	10	0
Unit: STABILIZER														
Area: Stabilizer														
11-2A WEST STAB OH COMPRESSOR	1935-000	VALVE	10FT SOUTHSIDE OF STABILIZER COMPRESSOR BUILDING ON LINE FROM PROPANE TNKS	N	7/28/2016	JOE REYNOLDS	10019	1074	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	1204	0
11-2A WEST STAB OH COMPRESSOR	1935-000	VALVE	10FT SOUTHSIDE OF STABILIZER COMPRESSOR BUILDING AT CL PCV-2	N	7/28/2016	JOE REYNOLDS	10019	650	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	762	0
11-2A WEST STAB OH COMPRESSOR	1935-000	VALVE	10FT SOUTHSIDE OF STABILIZER COMPRESSOR BUILDING AT CL PCV-2							8/10/2016	REPLACED PKG LOW-E	8/10/2016	10	0
11-2A WEST STAB OH COMPRESSOR	1935-000	VALVE	10FT SOUTHSIDE OF STABILIZER COMPRESSOR BUILDING AT CL PCV-2	N	4/18/2017	ALAN HUBBARD	11720	2946	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	2880	0
11-2A WEST STAB OH COMPRESSOR	1935-000	VALVE	10FT SOUTHSIDE OF STABILIZER COMPRESSOR BUILDING AT CL PCV-2							4/28/2017	REPLACED PKG LOW-E	4/28/2017	13	0
11-2A WEST STAB OH COMPRESSOR	1973-000	VALVE	10 FT NORTH OF COMPRESSOR BUILDING 10 FT NORTH OF COMPRESSOR BUILDING ON 2NDSTAGE DISCH	N	4/18/2017	ALAN HUBBARD	11720	958	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	6814	0

SDV801

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:		Reinspection:				
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STABILIZER														
Area: Stabilizer														
11-2A WEST STAB OH COMPRESSOR	1973-000	VALVE	10 FT NORTH OF COMPRESSOR BUILDING ON 2NDSTAGE DISCH SDV801							4/28/2017	REPLACED PKG LOW-E	4/28/2017	7	0
11-2A WEST STAB OH COMPRESSOR	1983-000	VALVE	10 FT NORTH OF COMPRESSOR BUILDING ON 2NDSTAGE DISCH SDV802	N	ALAN HUBBARD	11720	35103	0		1/11/2017	CLEAN LEAK AREA	1/11/2017	1494	0
11-2A WEST STAB OH COMPRESSOR	1983-000	VALVE	10 FT NORTH OF COMPRESSOR BUILDING ON 2NDSTAGE DISCH SDV802							1/23/2017	TIGHTENED PACKING	1/23/2017	258	0
11-2A WEST STAB OH COMPRESSOR	1983-000	VALVE	10 FT NORTH OF COMPRESSOR BUILDING ON 2NDSTAGE DISCH SDV802							3/21/2017	REPLACED COMPONENT LOW-E	3/21/2017	125	0
11-2A WEST STAB OH COMPRESSOR	2014B-000	PUMP	10FT N SIDE OF SUCTION SCRUBBER V8 2902 IN GRAY BOX	N	ALAN HUBBARD	11720	5379	0		1/11/2017	CLEAN LEAK AREA	1/11/2017	3196	0
11-2A WEST STAB OH COMPRESSOR	2014B-000	PUMP	10FT N SIDE OF SUCTION SCRUBBER V8 2902 IN GRAY BOX							1/23/2017	REPLACED SEAL	1/23/2017	202	0
11-2A WEST STAB OH COMPRESSOR	2014B-000	PUMP	10FT N SIDE OF SUCTION SCRUBBER V8 2902 IN GRAY BOX	N	ALAN HUBBARD	11720	6296	0		4/18/2017	CLEAN LEAK AREA	4/18/2017	4785	0
11-2A WEST STAB OH COMPRESSOR	2014B-000	PUMP	10FT N SIDE OF SUCTION SCRUBBER V8 2902 IN GRAY BOX							4/28/2017	REPLACED SEAL	4/28/2017	36	0
11-2A WEST STAB OH COMPRESSOR	2014J-000	VALVE	10FT N SIDE OF SUCTION SCRUBBER V8 2902 IN GRAY BOX	N	ALAN HUBBARD	11720	1636	0		4/18/2017	CLEAN LEAK AREA	4/18/2017	3884	0
11-2A WEST STAB OH COMPRESSOR	2014J-000	VALVE	10FT N SIDE OF SUCTION SCRUBBER V8 2902 IN GRAY BOX							4/28/2017	REPLACED PKG LOW-E	4/28/2017	32	0

Leak History

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:			Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STABILIZER														
Area: Stabilizer														
11-2B EAST STAB OH COMPRESSOR	1841-000	VALVE	INSIDE STABILIZER COMPRESSOR BUILDING SOUTHWEST SIDE OF VAPOR RECOMPRESSOR 11-2B	N	1/11/2017	ALAN HUBBARD	11720	1066	0	1/11/2017	CLEAN LEAK AREA	1/11/2017	785	0
11-2B EAST STAB OH COMPRESSOR	1841-000	VALVE	INSIDE STABILIZER COMPRESSOR BUILDING SOUTHWEST SIDE OF VAPOR RECOMPRESSOR 11-2B							1/23/2017	REPLACED PKG LOW-E	1/23/2017	4	0
11-2B EAST STAB OH COMPRESSOR	1842-000	VALVE	INSIDE STABILIZER COMPRESSOR BUILDING SOUTHWEST SIDE OF VAPOR RECOMPRESSOR 11-2B	N	1/11/2017	ALAN HUBBARD	11720	644	0	1/11/2017	CLEAN LEAK AREA	1/11/2017	825	0
11-2B EAST STAB OH COMPRESSOR	1842-000	VALVE	INSIDE STABILIZER COMPRESSOR BUILDING SOUTHWEST SIDE OF VAPOR RECOMPRESSOR 11-2B							1/23/2017	REPLACED PKG LOW-E	1/23/2017	74	0
11-2B EAST STAB OH COMPRESSOR	1842-000	VALVE	INSIDE STABILIZER COMPRESSOR BUILDING SOUTHWEST SIDE OF VAPOR RECOMPRESSOR 11-2B	N	4/18/2017	GAYLAND WILLIAMS	11781	4759	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	18642	0
11-2B EAST STAB OH COMPRESSOR	1996-000	VALVE	10 FT SOUTH OF COMPRESSOR BUILDING ON 2NDSTAGE DISCH PCV211	N	7/28/2016	JOE REYNOLDS	10019	544	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	606	0
11-2B EAST STAB OH COMPRESSOR	1996-000	VALVE	10 FT SOUTH OF COMPRESSOR BUILDING ON 2NDSTAGE DISCH PCV211							8/10/2016	REPLACED PKG LOW-E	8/10/2016	5	0
11-2B EAST STAB OH COMPRESSOR	1996-000	VALVE	10 FT SOUTH OF COMPRESSOR BUILDING ON 2NDSTAGE DISCH PCV211							8/10/2016	REPLACED PKG LOW-E	8/10/2016	680	0
11-2B EAST STAB OH COMPRESSOR	1996-000	VALVE	10 FT SOUTH OF COMPRESSOR BUILDING ON 2NDSTAGE DISCH PCV211	N	4/18/2017	ALAN HUBBARD	11720	904	0	4/18/2017	CLEAN LEAK AREA	4/18/2017	249	0
18-5 CONDENSATE STABILIZER FEED EXCH	1663-000	VALVE	SOUTHSIDE OF 18-5 AT CL TCV305	N	7/28/2016	JOE REYNOLDS	10019	537	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	562	0

Leak History

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:		Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:
Unit: STABILIZER Area: Stabilizer													
18-5 CONDENSATE STABILIZER FEED EXCH	1663-000	VALVE	SOUTHSIDE OF 18-5 AT CL TCV305						8/10/2016	REPLACED PKG LOW-E	8/10/2016	62	0
18-8 CONDENSATE STABILIZER	4720-000	VALVE	SOUTHSIDE OF 18-8 AT TOPOF VESSEL	N	JOE REYNOLDS	10019	573	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	513	0
2-1 CONDENSATE COOLER	1563-000	VALVE	3FT EASTSIDE OF E4-2801	N	ALAN HUBBARD	11720	792	0	1/12/2016	CLEAN LEAK AREA	1/12/2016	700	0
2-1 CONDENSATE COOLER	1563-000	VALVE	3FT EASTSIDE OF E4-2801						1/23/2017	REPLACED PKG LOW-E	1/23/2017	102	0
2-1 CONDENSATE COOLER	1688-000	VALVE	NORTHSIDE OF 2-1 CONDENSATE COOLER AT LCV 210	N	JOE REYNOLDS	10019	566	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	597	0
2-1 CONDENSATE COOLER	1688-000	VALVE	NORTHSIDE OF 2-1 CONDENSATE COOLER AT LCV 210						8/10/2016	REPLACED PKG LOW-E	8/10/2016	119	0
2-1 CONDENSATE COOLER	1688-000	VALVE	NORTHSIDE OF 2-1 CONDENSATE COOLER AT LCV 210	N	ALAN HUBBARD	11720	1520	0	1/12/2016	CLEAN LEAK AREA	1/12/2016	3279	0
2-1 CONDENSATE COOLER	1688-000	VALVE	NORTHSIDE OF 2-1 CONDENSATE COOLER AT LCV 210						1/23/2017	REPLACED PKG LOW-E	1/23/2017	132	0
2-1 CONDENSATE COOLER	1690-000	VALVE	NORTHSIDE OF 2-1 CONDENSATE COOLER AT LCV 210	N	ALAN HUBBARD	11720	728	0	1/12/2016	CLEAN LEAK AREA	1/12/2016	3821	0
2-1 CONDENSATE COOLER	1690-000	VALVE	NORTHSIDE OF 2-1 CONDENSATE COOLER AT LCV 210						1/23/2017	REPLACED PKG LOW-E	1/23/2017	22	0
30-2 RECOMP 2ND STG SCRUBBER	1938-000	VALVE	NORTH SIDE OF 30-2 AT DPCCELL	N	JOE REYNOLDS	10019	516	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	1293	0

Leak History

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:			
					Date:	Inspector:	Instr.:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STABILIZER														
Area: Stabilizer														
30-2 RECOMP 2ND STG SCRUBBER	1938-000	VALVE	NORTH SIDE OF 30-2 AT DPCCELL							8/10/2016	REPLACED PKG LOWE	8/10/2016	25	0
30-2 RECOMP 2ND STG SCRUBBER	1952-000	VALVE	EASTSIDE OF 30-2 AT LSH208	N	10/5/2016	ALAN HUBBARD	10427	739	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	2938	0
30-2 RECOMP 2ND STG SCRUBBER	1952-000	VALVE	EASTSIDE OF 30-2 AT LSH208							10/19/2016	REPLACED PKG LOWE	10/19/2016	8	0
30-2 RECOMP 2ND STG SCRUBBER	1955-000	VALVE	EASTSIDE OF 30-2 AT TOP OF SG	N	10/5/2016	ALAN HUBBARD	10427	4266	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	14200	0
30-2 RECOMP 2ND STG SCRUBBER	1955-000	VALVE	EASTSIDE OF 30-2 AT TOP OF SG							10/19/2016	REPLACED PKG LOWE	10/19/2016	25	0
30-5A GAS HYDRATOR	1355-000	VALVE	WESTSIDE OF 30-5A	N	1/12/2017	ALAN HUBBARD	11720	1984	0	1/12/2016	CLEAN LEAK AREA	1/12/2016	873	0
30-5A GAS HYDRATOR	1355-000	VALVE	WESTSIDE OF 30-5A							1/23/2017	REPLACED PKG LOWE	1/23/2017	85	0
30-6 CONDENSATE FLASH TANK	1647-000	VALVE	NORTHWEST SIDE OF 30-6 AT CL LCV308	N	7/28/2016	JOE REYNOLDS	10019	502	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	602	0
30-6 CONDENSATE FLASH TANK	1647-000	VALVE	NORTHWEST SIDE OF 30-6 AT CL LCV308							8/10/2016	REPLACED PKG LOWE	8/10/2016	212	0
30-6 CONDENSATE FLASH TANK	1647-000	VALVE	NORTHWEST SIDE OF 30-6 AT CL LCV308	N	1/12/2017	ALAN HUBBARD	11720	2503	0	1/12/2016	CLEAN LEAK AREA	1/12/2016	1710	0
30-6 CONDENSATE FLASH TANK	1647-000	VALVE	NORTHWEST SIDE OF 30-6 AT CL LCV308							1/23/2017	REPLACED PKG LOWE	1/23/2017	43	0

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:		Reinspection:				
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STABILIZER														
V8-201	1336-000	VALVE	SOUTHWEST SIDE OF V8-201 TOP OF SG	N	7/28/2016	JOE REYNOLDS	10019	582	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	525	0
V8-201	1336-000	VALVE	SOUTHWEST SIDE OF V8-201 TOP OF SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	230	0
V8-202 STABILIZER INLET SEPARATOR	1072-000	VALVE	NORTHSIDE OF V8-202 LCV204	N	1/12/2017	DAVID DIEHL	11409	819	0	1/12/2017	CLEAN LEAK AREA	1/12/2017	942	0
V8-202 STABILIZER INLET SEPARATOR	1072-000	VALVE	NORTHSIDE OF V8-202 LCV204							1/23/2017	TIGHTENED	1/23/2017	396	0
V8-202 STABILIZER INLET SEPARATOR	1072-000	VALVE	NORTHSIDE OF V8-202 LCV204							3/21/2017	REPLACED PKG LOW-E	3/21/2017	12	0
V8-401	1154-000	VALVE	WESTSIDE OF G8-401 AT TOP OF SG	N	7/28/2016	JOE REYNOLDS	10019	1984	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	3667	0
V8-401	1154-000	VALVE	WESTSIDE OF G8-401 AT TOP OF SG	N	7/28/2016	JOE REYNOLDS	10019	2727	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	5032	0
V8-401	1154-000	VALVE	WESTSIDE OF G8-401 AT TOP OF SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	9	0
V8-401	1155-000	VALVE	WESTSIDE OF G8-401 AT TOP OF SG	N	7/28/2016	JOE REYNOLDS	10019	587	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	3450	0
V8-401	1155-000	VALVE	WESTSIDE OF G8-401 AT TOP OF SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	6	0
Unit: STORAGE TANKS				Area: BULLET TANK										

Leak History

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Equipment	Tag	Component Type	Location Description	OOS	Inspection:			Repair:			Reinspection:			
					Date	Inspector	Instr	PPM	Bkg	Date		Type	Date	PPM
					Unit: STORAGE TANKS									
					Area: BULLET TANK									
28-01A	1771-000	PUMP	ON NORTHSIDE OF 28-1A NORTH OF G8-601 TOP OF SEALPOT	N	2/9/2017	ALAN HUBBARD	11720	12756	0	2/9/2017	CLEAN LEAK AREA	2/9/2017	14601	0
28-01A	1771-000	PUMP	ON NORTHSIDE OF 28-1A NORTH OF G8-601 TOP OF SEALPOT							2/9/2017	INCREASE SEAL FLUSH	2/9/2017	335	0
28-14B BUTANE	3986-000	VALVE	EAST SIDE OF 28-14A	N	7/27/2016	ALAN HUBBARD	10025	4814	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	528	0
28-14B BUTANE	3986-000	VALVE	EAST SIDE OF 28-14A							8/10/2016	REPLACED PKG LOWE	8/10/2016	7	0
28-14B BUTANE	4009-000	VALVE	10FT EAST SIDE OF 28-14A FCV1001	N	1/10/2017	ALAN HUBBARD	11720	789	0	1/10/2017	CLEAN LEAK AREA	1/10/2017	3355	0
28-14B BUTANE	4009-000	VALVE	10FT EAST SIDE OF 28-14A FCV1001							1/23/2017	TIGHTENED	1/23/2017	278	0
28-14B BUTANE	4009-000	VALVE	10FT EAST SIDE OF 28-14A FCV1001							3/21/2017	REPLACED PKG LOWE	3/21/2017	19	0
28-14B BUTANE	4013-000	VALVE	10FT EAST SIDE OF 28-14A	N	1/10/2017	ALAN HUBBARD	11720	4098	0	1/10/2017	CLEAN LEAK AREA	1/10/2017	685	0
28-14B BUTANE	4013-000	VALVE	10FT EAST SIDE OF 28-14A							1/23/2017	REPLACED PKG LOWE	1/23/2017	14	0
30-14A BUTANE	0986-000	VALVE	WESTSIDE OF 30-14A UP LADDER AT TOP OF SG	N	7/28/2016	ALAN HUBBARD	10025	891	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	5975	0
30-14B BUTANE	0964-000	VALVE	WESTSIDE OF 30-14B UP LADDER TOP ON PLATFORM	N	7/28/2016	ALAN HUBBARD	10025	673	0	7/28/2016	CLEAN LEAK AREA	7/28/2016	575	0

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STORAGE TANKS														
Area: BULLET TANK														
30-14B BUTANE	0964-000	VALVE	WESTSIDE OF 30-14B UP LADDER TOP ON PLATFORM							8/9/2016	TIGHTENED PACKING	8/9/2016	29	0
30-14B BUTANE	0964L-000	VALVE	WESTSIDE OF 30-14B UP LADDER TOP ON PLATFORM	N	ALAN HUBBARD	11720	553	0		1/10/2017	PLUG TIGHTENED	1/10/2017	324	0
30-14B BUTANE	0965-000	VALVE	WESTSIDE OF 30-14B UP LADDER TOP ON PLATFORM	N	ALAN HUBBARD	11720	507	0		1/10/2017	CLEAN LEAK AREA	1/10/2017	527	0
30-14B BUTANE	0965-000	VALVE	WESTSIDE OF 30-14B UP LADDER TOP ON PLATFORM							3/21/2017	REPLACED PKG LOW-E	3/21/2017	11	0
30-14B BUTANE	0965-000	VALVE	WESTSIDE OF 30-14B UP LADDER TOP ON PLATFORM	N	GAYLAND WILLIAMS	11781	540	0		5/31/2017	CLEAN LEAK AREA	5/31/2017	700	0
30-14B BUTANE	0965-000	VALVE	WESTSIDE OF 30-14B UP LADDER TOP ON PLATFORM							6/13/2017	REPLACED PKG LOW-E	6/13/2017	152	0
30-14C BUTANE	0927-000	VALVE	WESTSIDE OF 30-14C AT TOP OF SG	N	ALAN HUBBARD	10025	3191	0		7/28/2016	CLEAN LEAK AREA	7/28/2016	986	0
30-14C BUTANE	0927-000	VALVE	WESTSIDE OF 30-14C AT TOP OF SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	220	0
30-14C BUTANE	0935K-000	VALVE	WESTSIDE OF 30-14C UP LADDER ON TOP PLATFORM	N	JOE REYNOLDS	11409	1130	0		10/4/2016	REPLACED PKG LOW-E	10/4/2016	48	0
30-14D BUTANE	0884-000	VALVE	SOUTHWESTSIDE OF 30-14D ON BUTANE TAKE LINE	N	ALAN HUBBARD	11720	1059	0		1/10/2017	CLEAN LEAK AREA	1/10/2017	531	0
30-14D BUTANE	0884-000	VALVE	SOUTHWESTSIDE OF 30-14D ON BUTANE TAKE LINE							1/23/2017	REPLACED PKG LOW-E	1/23/2017	194	0

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:			Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STORAGE TANKS														
Area: BULLET TANK														
30-14F BUTANE	0427-000	VALVE	WESTSIDE OF 30-14F TOP SG	N	10/5/2016	ALAN HUBBARD	10427	14200	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	58800	0
30-14F BUTANE	0427-000	VALVE	WESTSIDE OF 30-14F TOP SG							10/19/2016	REPLACED PKG LOWE	10/19/2016	8	0
30-8	0789-000	VALVE	10 FT EASTSIDE OF 30-8 ON OFFLOAD LINE	N	1/12/2017	DAVID DIEHL	11409	970	0	1/12/2017	CLEAN LEAK AREA	1/12/2017	1444	0
30-8	0789-000	VALVE	10 FT EASTSIDE OF 30-8 ON OFFLOAD LINE							1/23/2017	REPLACED PKG LOWE	1/23/2017	4	0
30-8	0865-000	VALVE	15FT WESTSIDE OF 30-8 AND 5FT SOUTH OF 30-14D ON NGL LINE LV216	N	1/10/2017	ALAN HUBBARD	11720	710	0	1/10/2017	CLEAN LEAK AREA	1/10/2017	520	0
30-8	0865-000	VALVE	15FT WESTSIDE OF 30-8 AND 5FT SOUTH OF 30-14D ON NGL LINE LV216							3/21/2017	REPLACED PKG LOWE	3/21/2017	35	0
E10-1202	0571-000	VALVE	PUMP E10-1202 NORTHSIDE OF V6-1101-1 ON DISCH LINE	N	1/12/2017	DAVID DIEHL	11409	816	0	1/12/2017	CLEAN LEAK AREA	1/12/2017	828	0
E10-1202	0571-000	VALVE	PUMP E10-1202 NORTHSIDE OF V6-1101-1 ON DISCH LINE							1/23/2017	REPLACED PKG LOWE	1/23/2017	75	0
E10-1203	0585-000	VALVE	PUMP E10-1203 NORTHSIDE OF V6-1101-1 ON FLARE LINE	N	10/5/2016	ALAN HUBBARD	10427	520	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	1965	0
E10-1203	0585-000	VALVE	PUMP E10-1203 NORTHSIDE OF V6-1101-1 ON FLARE LINE							10/19/2016	REPLACED PKG LOWE	10/19/2016	7	0
E10-1204	0592-000	VALVE	SOUTH OF PUMP E10-1203 NORTHSIDE OF V6-1101-1 ON PROPANE LINE	N	7/27/2016	JOE REYNOLDS	10019	557	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	550	0

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:		Reinspection:				
					Date:	Inspector:	Instr.:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STORAGE TANKS														
Area: BULLET TANK														
E10-1204	0592-000	VALVE	SOUTH OF PUMP E10-1203 NORTHSIDE OF V6-1101-1 ON PROPANE LINE							8/10/2016	REPLACED PKG LOW-E	8/10/2016	25	0
E10-1204	0593-000	VALVE	SOUTH OF PUMP E10-1204 NORTHSIDE OF V6-1101-1 ON SUCTION LINE	N	ALAN HUBBARD	10427	1245	0		10/5/2016	CLEAN LEAK AREA	10/5/2016	548	0
E10-1204	0593-000	VALVE	SOUTH OF PUMP E10-1204 NORTHSIDE OF V6-1101-1 ON SUCTION LINE							10/19/2016	REPLACED PKG LOW-E	10/19/2016	19	0
E10-1204	0593-000	VALVE	SOUTH OF PUMP E10-1204 NORTHSIDE OF V6-1101-1 ON SUCTION LINE	N	JOE REYNOLDS	11409	1623	0		11/16/2016	CLEAN LEAK AREA	11/16/2016	1311	0
E10-1204	0593-000	VALVE	SOUTH OF PUMP E10-1204 NORTHSIDE OF V6-1101-1 ON SUCTION LINE							11/16/2016	REPLACED PKG LOW-E	11/16/2016	21	0
E10-1204	0593-000	VALVE	SOUTH OF PUMP E10-1204 NORTHSIDE OF V6-1101-1 ON SUCTION LINE	N	ALAN HUBBARD	11409	60000	0		12/14/2016	CLEAN LEAK AREA	12/14/2016	4548	0
E10-1204	0593-000	VALVE	SOUTH OF PUMP E10-1204 NORTHSIDE OF V6-1101-1 ON SUCTION LINE							12/14/2016	REPLACED PKG LOW-E	12/14/2016	53	0
V6-1101	0147-000	VALVE	BOTTOM EASTSIDE OF V6-1101	N	JOE REYNOLDS	10019	645	0		7/27/2016	CLEAN LEAK AREA	7/27/2016	530	0
V6-1101	0147-000	VALVE	BOTTOM EASTSIDE OF V6-1101							8/10/2016	REPLACED PKG LOW-E	8/10/2016	5	0
V6-1101	0365-000	VALVE	WESTSIDE OF V6-1101 UP LADDER 10FT OVHD	N	ALAN HUBBARD	10427	11500	0		10/5/2016	CLEAN LEAK AREA	10/5/2016	3666	0
V6-1101	0365-000	VALVE	WESTSIDE OF V6-1101 UP LADDER 10FT OVHD							10/19/2016	REPLACED PKG LOW-E	10/19/2016	9	0

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STORAGE TANKS														
Area: BULLET TANK														
V6-1101	0368-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT DPCELL	N	10/5/2016	ALAN HUBBARD	10427	1134	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	5658	0
V6-1101	0368-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT DPCELL							10/19/2016	REPLACED PKG LOW-E	10/19/2016	147	0
V6-1101	0368-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT DPCELL	N	12/14/2016	ALAN HUBBARD	11409	764	0	12/14/2016	CLEAN LEAK AREA	12/14/2016	1166	0
V6-1101	0368-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT DPCELL							12/14/2016	TIGHTENED	12/14/2016	80	0
V6-1101	0373-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT BOTTOM OF LOW SG	N	10/5/2016	ALAN HUBBARD	10427	1256	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	683	0
V6-1101	0373-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT BOTTOM OF LOW SG							10/19/2016	REPLACED PKG LOW-E	10/19/2016	7	0
V6-1101	0381-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT BOTTOM OF HIGH SG	N	10/5/2016	ALAN HUBBARD	10427	3386	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	857	0
V6-1101	0381-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT BOTTOM OF HIGH SG							10/19/2016	REPLACED PKG LOW-E	10/19/2016	7	0
V6-1101	0382-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT TOP OF FAR SG	N	10/5/2016	ALAN HUBBARD	10427	99000	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	1071	0
V6-1101	0382-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT TOP OF FAR SG							10/19/2016	REPLACED PKG LOW-E	10/19/2016	8	0
V6-1101	0383-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT TOP OF FAR SG	N	10/5/2016	ALAN HUBBARD	10427	726	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	614	0

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:				
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:	
Unit: STORAGE TANKS															
Area: BULLET TANK															
V6-1101	0383-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT TOP OF FAR SG								10/19/2016	REPLACED PKG LOW-E	10/19/2016	8	0
V6-1101	0387-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT TOP PLATFORM	N	7/27/2016	JOE REYNOLDS	10019	592	0	7/27/2016	CLEAN LEAK AREA		7/27/2016	632	0
V6-1101	0387-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT TOP PLATFORM								8/10/2016	REPLACED PKG LOW-E	8/10/2016	12	0
V6-1101	0390-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT TOP PLATFORM	N	4/5/2017	GAYLAND WILLIAMS	11720	1261	0	4/5/2017	CLEAN LEAK AREA		4/5/2017	1813	0
V6-1101	0390-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT TOP PLATFORM								4/18/2017	REPLACED PKG LOW-E	4/18/2017	29	0
V6-1101	0390-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT TOP PLATFORM	N	5/31/2017	GAYLAND WILLIAMS	11781	3200	0	5/31/2017	CLEAN LEAK AREA		5/31/2017	7845	0
V6-1101	0390-000	VALVE	WESTSIDE OF V6-1101 UP LADDER AT TOP PLATFORM								6/13/2017	REPLACED PKG LOW-E	6/13/2017	117	0
V6-1101	0394-000	VALVE	WESTSIDE TANKS BETWEEN V6-1101 AND 30-14G	N	7/27/2016	JOE REYNOLDS	10019	1128	0	7/27/2016	CLEAN LEAK AREA		7/27/2016	830	0
V6-1101	0394-000	VALVE	WESTSIDE TANKS BETWEEN V6-1101 AND 30-14G								8/10/2016	REPLACED PKG LOW-E	8/10/2016	8	0
V6-1101	0394-000	VALVE	WESTSIDE TANKS BETWEEN V6-1101 AND 30-14G	N	10/5/2016	ALAN HUBBARD	10427	1198	0	10/5/2016	CLEAN LEAK AREA		10/5/2016	1151	0
V6-1101	0394-000	VALVE	WESTSIDE TANKS BETWEEN V6-1101 AND 30-14G								10/19/2016	REPLACED PKG LOW-E	10/19/2016	14	0

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:			Reinspection:			
					Date:	Inspector:	Instr.:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STORAGE TANKS														
Area: BULLET TANK														
V6-1101	0394-000	VALVE	WESTSIDE TANKS BETWEEN V6-1101 AND 30-14G	N	1/10/2017	DAVID DIEHL	11409	801	0	1/10/2017	CLEAN LEAK AREA	1/10/2017	830	0
V6-1101	0394-000	VALVE	WESTSIDE TANKS BETWEEN V6-1101 AND 30-14G							1/23/2017	REPLACED PKG LOW-E	1/23/2017	4	0
V6-1101-1 BURNELL	0614F-000	VALVE	EASTSIDE OF V6-1101-1 ON VAPOR LINE	N	7/27/2016	JOE REYNOLDS	10019	648	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	904	0
V6-1101-1 BURNELL	0614F-000	VALVE	EASTSIDE OF V6-1101-1 ON VAPOR LINE							8/9/2016	TIGHTENED PACKING	8/9/2016	75	0
V6-1101-2 BURNELL	0491-000	VALVE	WESTSIDE OF V6-1101-2 AT LADDER BOTTOM MIDDLE SG	N	10/5/2016	ALAN HUBBARD	10427	552	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	3871	0
V6-1101-2 BURNELL	0491-000	VALVE	WESTSIDE OF V6-1101-2 AT LADDER BOTTOM MIDDLE SG							10/19/2016	REPLACED PKG LOW-E	10/19/2016	7	0
V6-1102	0323-000	VALVE	WESTSIDE OF V6-1102 AT LADDER 10FT OVHD	N	7/27/2016	JOE REYNOLDS	10019	599	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	521	0
V6-1102	0323-000	VALVE	WESTSIDE OF V6-1102 AT LADDER 10FT OVHD							8/10/2016	REPLACED PKG LOW-E	8/10/2016	9	0
V6-1102	0335-000	VALVE	WESTSIDE OF V6-1102 UP LADDER AT BOTTOM OF FAR SG	N	10/5/2016	ALAN HUBBARD	10427	514	0	10/5/2016	CLEAN LEAK AREA	10/5/2016	1575	0
V6-1102	0335-000	VALVE	WESTSIDE OF V6-1102 UP LADDER AT BOTTOM OF FAR SG							10/19/2016	REPLACED PKG LOW-E	10/19/2016	9	0
V6-1102	0346-000	VALVE	WESTSIDE OF V6-1102 UP LADDER AT TOP PLATFORM	N	7/27/2016	JOE REYNOLDS	10019	567	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	522	0

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					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STORAGE TANKS														
Area: BULLET TANK														
V6-1102	0346-000	VALVE	WESTSIDE OF V6-1102 UP LADDER AT TOP PLATFORM							8/10/2016	REPLACED PKG LOW-E	8/10/2016	5	0
V6-1103	0311-000	VALVE	WESTSIDE OF V6-1103 UP LADDER ON PLATFORM	N	1/10/2017	DAVID DIEHL	11409	2626	0	1/10/2017	CLEAN LEAK AREA	1/10/2017	5268	0
V6-1103	0311-000	VALVE	WESTSIDE OF V6-1103 UP LADDER ON PLATFORM							1/23/2017	REPLACED PKG LOW-E	1/23/2017	30	0
V6-1103	0316-000	VALVE	WESTSIDE OF V6-1103 UP LADDER ON PLATFORM	N	10/5/2016	ALAN HUBBARD	10427	4565	0	10/6/2016	CLEAN LEAK AREA	10/6/2016	4123	0
V6-1103	0316-000	VALVE	WESTSIDE OF V6-1103 UP LADDER ON PLATFORM							10/19/2016	REPLACED PKG LOW-E	10/19/2016	8	0
V6-1104	0250-000	VALVE	WESTSIDE OF V6-1104 AT LADDER 8FT OVHD	N	7/27/2016	JOE REYNOLDS	10019	537	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	523	0
V6-1104	0250-000	VALVE	WESTSIDE OF V6-1104 AT LADDER 8FT OVHD							8/10/2016	REPLACED PKG LOW-E	8/10/2016	7	0
V6-1104	0258-000	VALVE	WESTSIDE OF V6-1104 UP LADDER BOTTOM OF LOW SG	N	4/5/2017	GAYLAND WILLIAMS	11720	770	0	4/5/2017	CLEAN LEAK AREA	4/5/2017	1203	0
V6-1104	0258-000	VALVE	WESTSIDE OF V6-1104 UP LADDER BOTTOM OF LOW SG							4/18/2017	REPLACED PKG LOW-E	4/18/2017	9	0
V6-1104	0258-000	VALVE	WESTSIDE OF V6-1104 UP LADDER BOTTOM OF LOW SG	N	5/31/2017	GAYLAND WILLIAMS	11781	2155	0	5/31/2017	CLEAN LEAK AREA	5/31/2017	868	0
V6-1104	0258-000	VALVE	WESTSIDE OF V6-1104 UP LADDER BOTTOM OF LOW SG							6/13/2017	TIGHTENED	6/13/2017	582	0

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					Date	Inspector	Instr	PPM	Bkg	Date	Type	Date	PPM	Bkg
Unit: STORAGE TANKS														
Area: BULLET TANK														
V6-1104	0263-000	VALVE	WESTSIDE OF V6-1104 UP LADDER TOP OF FAR LOW SG	N	7/27/2016	JOE REYNOLDS	10019	529	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	507	0
V6-1104	0263-000	VALVE	WESTSIDE OF V6-1104 UP LADDER TOP OF FAR LOW SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	11	0
V6-1104	0266-000	VALVE	WESTSIDE OF V6-1104 UP LADDER BOTTOM OF HIGH SG	N	7/27/2016	JOE REYNOLDS	10019	874	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	971	0
V6-1104	0266-000	VALVE	WESTSIDE OF V6-1104 UP LADDER BOTTOM OF HIGH SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	5	0
V6-1104	0267-000	VALVE	WESTSIDE OF V6-1104 UP LADDER TOP OF FAR SG	N	7/27/2016	JOE REYNOLDS	10019	2133	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	2130	0
V6-1104	0267-000	VALVE	WESTSIDE OF V6-1104 UP LADDER TOP OF FAR SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	139	0
V6-1104	0269-000	VALVE	WESTSIDE OF V6-1104 UP LADDER TOP OF HIGH SG	N	7/27/2016	JOE REYNOLDS	10019	592	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	692	0
V6-1104	0269-000	VALVE	WESTSIDE OF V6-1104 UP LADDER TOP OF HIGH SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	26	0
V6-1104	0270-000	VALVE	WESTSIDE OF V6-1104 UP LADDER TOP OF HIGH SG	N	7/27/2016	JOE REYNOLDS	10019	702	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	698	0
V6-1104	0270-000	VALVE	WESTSIDE OF V6-1104 UP LADDER TOP OF HIGH SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	26	0
V6-1104	0270-000	VALVE	WESTSIDE OF V6-1104 UP LADDER TOP OF HIGH SG	N	9/21/2016	JOE REYNOLDS	10019	585	0	9/21/2016	CLEAN LEAK AREA	9/21/2016	520	0

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STORAGE TANKS														
Area: BULLET TANK														
V6-1104	0270-000	VALVE	WESTSIDE OF V6-1104 UP LADDER TOP OF HIGH SG							10/4/2016	REPLACED PKG LOW-E	10/4/2016	182	0
V6-1104	0273-000	VALVE	TOP WESTSIDE OF V6-1104 UP LADDER ON PLATFORM	N	7/27/2016	JOE REYNOLDS	10019	1853	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	6468	0
V6-1104	0273-000	VALVE	TOP WESTSIDE OF V6-1104 UP LADDER ON PLATFORM							8/10/2016	REPLACED PKG LOW-E	8/10/2016	6	0
V6-1104	0274-000	VALVE	TOP WESTSIDE OF V6-1104 UP LADDER ON PLATFORM	N	7/27/2016	JOE REYNOLDS	10019	546	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	576	0
V6-1104	0274-000	VALVE	TOP WESTSIDE OF V6-1104 UP LADDER ON PLATFORM							8/10/2016	REPLACED PKG LOW-E	8/10/2016	6	0
V6-1104	0277-000	VALVE	WESTSIDE BETWEEN V6-1104 AND V6-1103	N	1/10/2017	DAVID DIEHL	11409	18600	0	1/10/2017	CLEAN LEAK AREA	1/10/2017	20400	0
V6-1104	0277-000	VALVE	WESTSIDE BETWEEN V6-1104 AND V6-1103							1/23/2017	REPLACED PKG LOW-E	1/23/2017	140	0
V6-1104	0277-000	VALVE	WESTSIDE BETWEEN V6-1104 AND V6-1103	N	2/9/2017	ALAN HUBBARD	11720	1102	0	2/9/2017	CLEAN LEAK AREA	2/9/2017	1393	0
V6-1104	0277-000	VALVE	WESTSIDE BETWEEN V6-1104 AND V6-1103							2/9/2017	REPLACED PKG LOW-E	2/9/2017	6	0
V6-1105	0224-000	VALVE	WESTSIDE OF V6-1105 UP LADDER BOTTOM OF LOW SG	N	7/27/2016	JOE REYNOLDS	10019	661	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	660	0
V6-1105	0224-000	VALVE	WESTSIDE OF V6-1105 UP LADDER BOTTOM OF LOW SG							10/19/2016	REPLACED PKG LOW-E	10/19/2016	2	0

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					Date	Inspector	Instr	PPM	Bkg	Date	Type	Date	PPM	Bkg
Unit: STORAGE TANKS														
Area: BULLET TANK														
V6-1105	0227-000	VALVE	WESTSIDE OF V6-1105 UP LADDER BOTTOM OF FAR SG	N	7/27/2016	JOE REYNOLDS	10019	571	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	590	0
V6-1105	0227-000	VALVE	WESTSIDE OF V6-1105 UP LADDER BOTTOM OF FAR SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	5	0
V6-1105	0232-000	VALVE	WESTSIDE OF V6-1105 UP LADDER BOTTOM OF HIGH SG	N	7/27/2016	JOE REYNOLDS	10019	653	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	618	0
V6-1105	0232-000	VALVE	WESTSIDE OF V6-1105 UP LADDER BOTTOM OF HIGH SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	5	0
V6-1106	0181-000	VALVE	WESTSIDE OF V6-1106 AT LADDER BOTTOM OF SG	N	7/27/2016	JOE REYNOLDS	10019	631	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	526	0
V6-1106	0181-000	VALVE	WESTSIDE OF V6-1106 AT LADDER BOTTOM OF SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	191	0
V6-1106	0182-000	VALVE	WESTSIDE OF V6-1106 AT LADDER BOTTOM OF SG	N	7/27/2016	JOE REYNOLDS	10019	734	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	704	0
V6-1106	0182-000	VALVE	WESTSIDE OF V6-1106 AT LADDER BOTTOM OF SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	6	0
V6-1106	0185-000	VALVE	WESTSIDE OF V6-1106 AT LADDER BOTTOM OF FAR SG	N	7/27/2016	JOE REYNOLDS	10019	830	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	786	0
V6-1106	0185-000	VALVE	WESTSIDE OF V6-1106 AT LADDER BOTTOM OF FAR SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	341	0
V6-1106	0187-000	VALVE	WESTSIDE OF V6-1106 AT LADDER TOP OF SG	N	10/4/2016	ALAN HUBBARD	10427	1989	0	10/4/2016	CLEAN LEAK AREA	10/4/2016	4591	0

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Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:			Repair:			Reinspection:			
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:
Unit: STORAGE TANKS														
Area: BULLET TANK														
V6-1106	0187-000	VALVE	WESTSIDE OF V6-1106 AT LADDER TOP OF SG							10/19/2016	REPLACED PKG LOW-E	10/19/2016	7	0
V6-1106	0192-000	VALVE	WESTSIDE OF V6-1106 AT LADDER TOP OF FAR SG	N	7/27/2016	JOE REYNOLDS	10019	541	0	7/27/2016	CLEAN LEAK AREA	7/27/2016	777	0
V6-1106	0192-000	VALVE	WESTSIDE OF V6-1106 AT LADDER TOP OF FAR SG							8/10/2016	REPLACED PKG LOW-E	8/10/2016	83	0
Unit: STORAGE TANKS														
Area: RAIL RACK														
RAIL RACK	0009-000	VALVE	BOTTOM RAILCAR LOADING RACK 5 AND 6	N	10/4/2016	ALAN HUBBARD	10427	1607	0	10/4/2016	CLEAN LEAK AREA	10/4/2016	523	0
RAIL RACK	0009-000	VALVE	BOTTOM RAILCAR LOADING RACK 5 AND 6							10/19/2016	REPLACED PKG LOW-E	10/19/2016	7	0
RAIL RACK	0053-000	VALVE	TOP EASTSIDE RAILCAR LOADING RACK 7	N	4/5/2017	ALAN HUBBARD	11409	1064	0	4/5/2017	CLEAN LEAK AREA	4/5/2017	752	0
RAIL RACK	0053-000	VALVE	TOP EASTSIDE RAILCAR LOADING RACK 7							4/18/2017	REPLACED PKG LOW-E	4/18/2017	1	0
Unit: STORAGE TANKS														
Area: TRUCK RACKS														
TRUCK LOADING STATION #2	3502-000	VALVE	TRUCK LOADING RACK 3	N	7/25/2016	JOE REYNOLDS	10019	1270	0	7/25/2016	CLEAN LEAK AREA	7/25/2016	3767	0
TRUCK LOADING STATION #2	3502-000	VALVE	TRUCK LOADING RACK 3							8/8/2016	REPLACED PKG LOW-E	8/8/2016	3	0
TRUCK LOADING STATION #2	3563-000	VALVE	NORTH SIDE	N	7/25/2016	JOE REYNOLDS	10019	1956	0	7/25/2016	CLEAN LEAK AREA	7/25/2016	1741	0

Leak History

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Inspections Under All Rules

Equipment:	Tag:	Component Type:	Location Description:	OOS:	Inspection:				Repair:		Reinspection:				
					Date:	Inspector:	Instr:	PPM:	Bkg:	Date:	Type:	Date:	PPM:	Bkg:	
Unit: STORAGE TANKS															
Area: TRUCK RACKS															
TRUCK LOADING STATION #2	3563-000	VALVE	NORTH SIDE								8/8/2016	REPLACED PKG LOW-E	8/8/2016	2	0
TRUCK LOADING STATION #2	3630-000	VALVE	TRUCK LOADING RACK	N	7/25/2016	JOE REYNOLDS	10019	594	0		7/25/2016	CLEAN LEAK AREA	7/25/2016	725	0
TRUCK LOADING STATION #2	3630-000	VALVE	TRUCK LOADING RACK								8/8/2016	REPLACED PKG LOW-E	8/8/2016	2	0
TRUCK LOADING STATION #2	3635-000	VALVE	TRUCK LOADING RACK	N	10/6/2016	ALAN HUBBARD	10427	689	0		10/6/2016	CLEAN LEAK AREA	10/6/2016	5919	0
TRUCK LOADING STATION #2	3635-000	VALVE	TRUCK LOADING RACK								10/19/2016	REPLACED PKG LOW-E	10/19/2016	7	0
TRUCK LOADING STATION #3	3510-000	VALVE	TRUCK LOADING RACK 3	N	1/9/2017	ALAN HUBBARD	11720	594	0		1/9/2017	CLEAN LEAK AREA	1/9/2017	1847	0
TRUCK LOADING STATION #3	3510-000	VALVE	TRUCK LOADING RACK 3								1/23/2017	REPLACED PKG LOW-E	1/23/2017	5	0

Red strikeout = Valves permanently removed from service
 Yellow Highlight = On DOR list
 Green underline = See explanation in text

ATTACHMENT 2

Delayed Repairs Report

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Records

Tag:	Date Delayed:	Expected Date of Repair:	Due Date:	Authorized By:	Reason:	Repaired?:
Unit: CRYO						
2394-000	1/23/2017	5/31/2017	1/9/2027	BRUCE VARGO	TECHNLLY INFSBLE(WTG ON LOW E PARTS) CANT ISOLATE	3/21/2017
Unit: CRYO						
2294-000	1/23/2017	5/31/2017	1/9/2027	BRUCE VARGO	TECHNLLY INFSBLE(WTG ON LOW E PARTS) CANT ISOLATE	3/21/2017
Unit: GAS DEHYDRATION						
1362-000	8/11/2016	8/11/2017	8/11/2017	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	8/24/2016
Unit: GAS DEHYDRATION						
1548-000	1/23/2017	5/31/2017	1/12/2027	BRUCE VARGO	TECHNLLY INFSBLE(WTG ON LOW E PARTS) CANT ISOLATE	3/21/2017
Unit: GAS DEHYDRATION						
1374-000	4/29/2016	12/31/2016	12/31/2016	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	8/24/2016
1380-000	4/29/2016	12/31/2016	12/31/2016	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	8/24/2016
1400-000	4/29/2016	12/31/2016	12/31/2016	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	8/24/2016
Unit: GAS DEHYDRATION						
1443-000	2/17/2016	12/31/2016	12/31/2016	SEAN CRAVEN	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	8/24/2016
1450-000	2/17/2016	12/31/2016	12/31/2016	SEAN CRAVEN	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	8/24/2016
Unit: INLET GAS						
1306-000	1/23/2017	4/21/2018	1/12/2027	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	No
Unit: PREBOOST						
2633-000	1/23/2017	5/31/2017	1/9/2027	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	3/21/2017

Delayed Repairs Report

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Records

Tag:	Date Delayed:	Expected Date of Repair:	Due Date:	Authorized By:	Reason:	Repaired?:
Unit:	PREBOOST	Area:	PREBOOST	Equipment:	K-7500 PREBOOST GAS COMPRESSOR	
2734-000	1/23/2017	5/31/2017	1/11/2017	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	3/21/2017
Unit:	REFRIGERANT	Area:	Refrigerant	Equipment:	G8-2903 REFRIGERANT DE-OILER	
1235-000	2/17/2016	6/17/2018	6/17/2018	SEAN CRAVEN	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	No
Unit:	REFRIGERANT	Area:	Refrigerant	Equipment:	G8-402 GAS CHILLER	
1202-000	8/11/2016	8/1/2018	8/1/2018	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	No
2081-000	10/19/2016	10/19/2017	10/19/2017	SEAN CRAVEN	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	10/19/2016
Unit:	REFRIGERANT	Area:	Refrigerant	Equipment:	G8-604 PROPANE PRODUCT COOLER	
2042-000	10/19/2016	5/31/2017	10/19/2017	SEAN CRAVEN	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	4/18/2017
2048-000	4/29/2016	4/29/2020	4/22/2026	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	7/11/2016
Unit:	REFRIGERANT	Area:	Refrigerant	Equipment:	V-7220	
3149-000	1/23/2017	5/31/2017	1/11/2017	BRUCE VARGO	TECHNLLY INFSBLE(WTG ON LOW E PARTS) CANT ISOLATE	3/21/2017
Unit:	REFRIGERANT	Area:	Refrigerant	Equipment:	V8-2901 REFRIGERANT SURGE TNK	
2104-000	10/19/2016	10/19/2017	10/19/2017	SEAN CRAVEN	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	11/16/2016
Unit:	STABILIZER	Area:	Inlet Gas & Liquid	Equipment:	GB401 STABILIZER PREHEATER	
1007-000	4/29/2016	7/31/2019	7/31/2019	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	No
Unit:	STABILIZER	Area:	Stabilizer	Equipment:	11-2A WEST STAB OH COMPRESSOR	
1983-000	1/23/2017	5/31/2017	5/31/2017	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	3/21/2017
Unit:	STABILIZER	Area:	Stabilizer	Equipment:	V8-202 STABILIZER INLET SEPARATOR	
1072-000	1/23/2017	5/31/2017	1/12/2017	BRUCE VARGO	TECHNLLY INFSBLE(WTG ON LOW E PARTS) CANT ISOLATE	3/21/2017

Delayed Repairs Report

Merit Energy

From: 7/1/2016 To: 6/30/2017, All Records

Tag:	Date Delayed:	Expected Date of Repair:	Due Date:	Authorized By:	Reason:	Repaired?:
Unit:	STORAGE TANKS	Area:	BULLET TANK	Equipment:	28-14B BUTANE	
4009-000	1/23/2017	5/31/2017	1/10/2027	BRUCE VARGO	TECHNLLY INFSBLE(WTG ON LOW E PARTS) CANT ISOLATE	3/21/2017
Unit:	STORAGE TANKS	Area:	BULLET TANK	Equipment:	30-14B BUTANE	
0945-000	4/29/2016	6/17/2018	6/17/2018	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	No
0965-000	1/23/2017	5/31/2017	1/10/2027	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	3/21/2017
Unit:	STORAGE TANKS	Area:	BULLET TANK	Equipment:	30-14E BUTANE	
0446-000	4/29/2016	6/17/2018	6/17/2018	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	No
Unit:	STORAGE TANKS	Area:	BULLET TANK	Equipment:	30-8	
0865-000	1/23/2017	5/31/2017	1/10/2027	BRUCE VARGO	TECHNLLY INFSBLE(WTG ON LOW E PARTS) CANT ISOLATE	3/21/2017
Unit:	STORAGE TANKS	Area:	BULLET TANK	Equipment:	V6-1104	
0258-000	6/13/2017	6/13/2018	6/13/2018	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	No
Unit:	STORAGE TANKS	Area:	BULLET TANK	Equipment:	V6-1105	
0224-000	8/11/2016	8/11/2017	8/11/2017	BRUCE VARGO	TECHNICALLY INFEASIBLE W/O PROCESS UNIT SHUTDOWN	10/19/2016

 Signature of Owner or Operator
 Responsible for Delay of Repair Decision

ATTACHMENT 3

QA/QC Descriptions

ACTION	EXPLANATION
<u>Calibration Verification Report</u>	Run Calibration Verification report and make sure we have signed hardcopies of each one on file for the period we are running.
<u>All LDAR Plan procedures current?</u>	LDAR written plan should match what is being done. Any outdated procedures needs to be removed
<u>Certified Gas Sheets</u>	Ensure we have a file of current gases used and active gases used. Go into GW pull up "Monitoring and Maintenance" tab then click on View/Edit Calibration Cylinders- you should have a hardcopies of all gases that are in the database. The ones that are checked as "active" should be the ones the techs are currently using.
<u>Inspection Archived Reports</u>	Go to Archived Reports, sort them by frequency and check all of them for the period being audited, they should all say 100%
<u>Abnormal time stamp Report (QAQC Reports)</u>	Run the report and look for any days were we had more than 20 components with the same number. If found - provide an explanation and file
<u>Precision Calibrations</u>	PC's should all be in the database and you should have 2 PC's per quarter. If we have more than 2 machines used for that period there should be at least a precision done on each machine used in that period that occurs before monitoring has been performed. Also, ask the LDAR guys if there were machines sent back or returned from maintenance that were used, dates they were sent out and returned as well as follow-up precisions that occurred before being used again for monitoring.
<u>ELPCD training up to date</u>	Make sure all contractors and maintenance LDAR personnel are current with training
<u>Low E cert's</u>	Make sure that all repacking's and replacements have low e certification
<u>Component Summary Reconcile</u>	Your Component Summary report should look the same each month, if any number goes up it should be on the Added Components report, if they go down they should be on the permanently OOS report. All additions and subtractions should be tracked with a MOC # listed on the both reports.
<u>DTM % Report</u>	Run the DTM Percentage report and make sure that we are under 3%.
<u>DTM Detail Report</u>	Run the DTM report and make sure all the components on DTM are still legitimate (random selection of walk downs) and make sure the reasons match what NSPS allows word for word.
<u>UTM report</u>	Make sure all UTM's are still applicable and make sure reasoning's match the NSPS requirement word for word
<u>Tech Performance per day report(Inspection Count by date)</u>	An abnormal amount of inspections per day here at Merit would be any day that is over 500 components. We need explanations and sign offs if/when this occurs
<u>Delayed Repairs Report</u>	Make sure all DOR's are scheduled to be replaced during the next shutdown and make sure all DOR's have shutdown tag on them (this is different than a leaker tag), verify that they have been inspected monthly, verify that any DOR taken off the list was inspected within 15 days of being returned to service. Verify proper sign-offs have been recorded for all DORs
<u>Leak Summary Report</u>	Review the Leak Summary report
<u>Late Final Repairs</u>	Review the Late Repairs report
<u>Open Ended Lines</u>	Review the OEL report make sure all reported are plugged (verify with LDAR guys)
<u>QAQC Dwell Time Report</u>	Everything onsite should at least have 10 seconds monitoring time, run the report for the period, talk to the guys about spending the proper amount of time of each component
<u>QAQC Overlap Report</u>	Run the report - there should NEVER be any overlapped times
<u>Removals Report</u>	Make sure that all listed either have an MOC or if temporary out of service - should be walked down and remonitored if back in service T
<u>Added Components</u>	All added components should have a MOC. Correlate with MOC binder
<u>POS Report</u>	All POOS components should have a reason why and an MOC. Correlate with MOC binder
<u>Substantiate Leak %</u>	Print the leak percentage from current and previous quarters and compare.
<u>Unrepaired Leaks Report</u>	Run unrepaired leak report. Should have 0 unrepaired leaks

All reports mentioned are from Guideware

MERIT AUDIT REPORTS	4 t h Q T R	1 s t Q T R	2 n d Q T R	3 r d Q T R
Date Complete:	1/21/2016	4/18/2016	8/9/2016	11/16/2016
Calibration Verification Report	Chris Taylor "EMSI"/Sean Craven "Merit"			
All LDAR Plan procedures current?	Chris Taylor "EMSI"/Sean Craven "Merit"			
Certified Gas Sheets	Chris Taylor "EMSI"/Sean Craven "Merit"			
Inspection Archived Reports	Chris Taylor "EMSI"/Sean Craven "Merit"			
Abnormal Time stamp Report (QAQC Reports)	Chris Taylor "EMSI"/Sean Craven "Merit"			
Precision Calibrations	Chris Taylor "EMSI"/Sean Craven "Merit"			
EPCD training up to date	Chris Taylor "EMSI"/Sean Craven "Merit"			
Low E cert's	Chris Taylor "EMSI"/Sean Craven "Merit"			
Components Summary Reconcile	Chris Taylor "EMSI"/Sean Craven "Merit"			
DTM % Report	Chris Taylor "EMSI"/Sean Craven "Merit"			
DTM Detail Report	Chris Taylor "EMSI"/Sean Craven "Merit"			
UTM report	Chris Taylor "EMSI"/Sean Craven "Merit"			
Delayed Repairs Report	Chris Taylor "EMSI"/Sean Craven "Merit"			
Leak Summary Report	Chris Taylor "EMSI"/Sean Craven "Merit"			
Late Final Repairs	Chris Taylor "EMSI"/Sean Craven "Merit"			
Open Ended Lines	Chris Taylor "EMSI"/Sean Craven "Merit"			
QAQC Dwell Time Report	Chris Taylor "EMSI"/Sean Craven "Merit"			
QAQC Overlap Report	Chris Taylor "EMSI"/Sean Craven "Merit"			
Removals Report	Chris Taylor "EMSI"/Sean Craven "Merit"			
Added Components	Chris Taylor "EMSI"/Sean Craven "Merit"			
POS Report	Chris Taylor "EMSI"/Sean Craven "Merit"			
Substantiate Leak %	Chris Taylor "EMSI"/Sean Craven "Merit"			
Unrepaired Leaks Report	Chris Taylor "EMSI"/Sean Craven "Merit"			
Field Audits done and filed???	Yes	Yes	Yes	Yes

* Run all reports for the previous quarter, list all find and fixes below. Initial and date the report as reviewed and file the report.

Action Items Found/Changes Made
 Q1-1. EMSI needs to make sure we have all the calibration sheets signed immediately after the day is complete, all sheets will be printed off and signed before leaving the plant for the day. 2. 4 days had inspections over 500 were verified as "ok", 1 day with insufficient "Components Monitored Per Minute" but they were all Flare Visuals that are required annually visual and not Method 21. 3. Make sure the P00S report has LDAR MOC for all pumps and valves added or removed on or after 10/20/2015.
 Q2-all issues found and fixed, no open items to address.
 Q3-copy of training records onsite-
 Q4-

Auditor Signatures
 Chris Taylor-EMSI
 Q1-2016
 Q2-2016
 Q3-2016

Sean Craven-Merit
 Action Items reviewed with LDAR.
 personnel(TY/N)
 Yes

8/9/16

EMSI LDAR Technician Assessment

Initial Calibration

UNIT 10014 - Joe

1. What are the steps to the initial calibration?(Initial each correct answer, place an "x" any answer that is missed)

- a. Warmup the TVA @ least 30 minutes
- b. Calibrate Zero Air
- c. Calibrate Span 1(Purge w/ zero air)
- d. Calibrate Span 2(Purge w/ zero air)
- e. Calibrate Span 3(Purge w/ zero air)
- f. Exit out and go into to "Run" screen
- g. Check calibration ranges to +/- 10%
- h. Did the tech demonstrate the steps properly?

Initial-correct

a

b

c

d

e

f

g

h

Drift Assessment (Midday or End of Day)

1. What are the steps to a drift assessment?

- a. Check calibration ranges to +/- 10%
- b. Did the tech demonstrate this properly?

a

b

Field Method 21

1. What is the definition of Method 21?

Does not know

- a. Procedure used to identify equipment leaks
- b. Does the tech properly demonstrate Method 21?
- c. Pump
- d. Valve
- e. Control Valve
- f. Connector

a

b

c

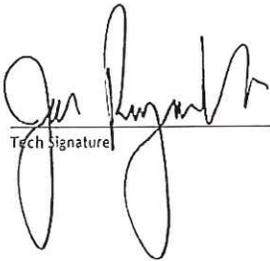
d

e

f

Areas discussed for Improvement

Signatures (sign below) have been assessed and my areas of review have been discussed



Tech Signature



Auditor Signature

8/9/16

ALAN

EMSI LDAR Technician Assessment UNSV #10025

Initial Calibration

1. What are the steps to the initial calibration?(Initial each correct answer, place an "x" any answer that is missed)

- a. Warmup the TVA @ least 30 minutes ✓
- b. Calibrate Zero Air ✓
- c. Calibrate Span 1(Purge w/ zero air) ✓
- d. Calibrate Span 2(Purge w/ zero air) ✓
- e. Calibrate Span 3(Purge w/ zero air) ✓
- f. Exit out and go into to "Run" screen ✓
- g. Check calibration ranges to +/- 10% ✓
- h. Did the tech demonstrate the steps properly?

Initial correct

Handwritten initials and checkmarks for items a through h.

Drift Assessment (Midday or End of Day)

1. What are the steps to a drift assessment?

- a. Check calibration ranges to +/- 10%
- b. Did the tech demonstrate this properly?

Handwritten initials and checkmarks for items a and b.

Field Method 21

1. What is the definition of Method 21?

- a. Procedure used to identify equipment leaks
- b. Does the tech properly demonstrate Method 21?
- c. Pump
- d. Valve
- e. Control Valve
- f. Connector

Handwritten initials and checkmarks for items a through f.

Areas discussed for improvement

Signatures (sign below) have been assessed and my areas of review have been discussed

Tech Signature

8/9/16

Auditor Signature

8/9/16

4TH QTR 2016

MERIT AUDIT REPORTS

Date Complete: 02/19/2017	Issues Identified/Explained
Calibration Verification Report	No issues identified
All LDAR Plan procedure current?	No issues identified
Certified Gas Sheets	No issues identified
Inspection Archived Reports	No issues identified
Abnormal time stamp Report (QAQC Reports)	No issues identified
Precision Calibrations	No issues identified
ELPCD training up to date	No issues identified
Low E cert's	No issues identified
Component Summary Reconcile	No issues identified
DTM % Report	No issues identified
DTM Detail Report	No issues identified
UTM report	No issues identified
Delayed Repairs Report	No issues identified
Leak Summary Report	No issues identified
Late Final Repairs	No issues identified
Open Ended Lines	No issues identified
QAQC Dwell Time Report	No issues identified
QAQC Overlap Report	No issues identified
Removals Report	No issues identified
Added Components	No issues identified
POS Report	No issues identified
Substantiate Leak %	No issues identified
Unrepaired Leaks Report	No issues identified
Field Audits done and filed???	No issues identified
	Yes

* Run all reports for the previous quarter. Initial and date the report as reviewed and file the report.

Action Items Found/Changes Made

No action items

Auditor Signatures  2/19/17  2/19/17

Action Items reviewed with LDAR

personnel?Y/N

Yes

EMSI LDAR Technician Assessment

TECH AUDITED: Joe Reynolds

Initial Calibration

TVA# 10025

1. What are the steps to the initial calibration?(Initial each correct answer, place an "x" any answer that is missed)

- a. Warmup the TVA @ least 30 minutes
- b. Calibrate Zero Air
- c. Calibrate Span 1(Purge w/ zero air)
- d. Calibrate Span 2(Purge w/ zero air)
- e. Calibrate Span 3(Purge w/ zero air)
- f. Exit out and go into to "Run" screen
- g. Check calibration ranges to +/- 10%(Mark the screen readouts under the readout section)
- h. Did the tech demonstrate the steps properly?

Initial Cal. Readouts

Zero Air:
500 Span :
2000 Span :
10k Span :

INITIAL
CT/SC
CT/SC
CT/SC
CT/SC
CT/SC
CT/SC
CT/SC

Drift Assessment (Midday or End of Day)

- 1. What are the steps to a drift assessment?
- a. Check calibration ranges to +/- 10% (Purge zero air between span's)
- b. Did the tech demonstrate this properly?

Midday or EOD Drift Readouts

Zero Air:
500 Span :
2000 Span :
10k Span :

CT/SC
CT/SC
CT/SC

Field Method 21

- 1. What is the definition of Method 21?
 - a. Procedure used to identify equipment leaks
 - b. Does the tech properly demonstrate Method 21?
 - c. Pump
 - d. Valve
 - e. Control Valve
 - f. Connector

CT/SC
CT/SC
CT/SC
CT/SC
CT/SC
CT/SC

Leaks

- 1. Whats the indication of a leak?
- 2. What is a meter deflection (blurb)?
- 3. How long do you wait if you have a blurb in the TVA?

Answers

10 ppm above background
Spike or high reading when a certain monitoring point is screened
2 times the TVA response

CT/SC
CT/SC
CT/SC

Areas discussed for improvement/ What was changed or corrected(List effective date for changes)

no issues

Signatures (sign below) I have been assessed and my areas of review have been discussed

ON HARDCOPY
Tech Signature/Date

Auditor Signature/Date



11/16/2016

EMSI LDAR Technician Assessment

Initial Calibration

1. What are the steps to the Initial calibration?(Initial each correct answer, place an "x" any answer that is missed)

- a. Warmup the TVA @ least 30 minutes _____
- b. Calibrate Zero Air _____
- c. Calibrate Span 1(Purge w/ zero air) _____
- d. Calibrate Span 2(Purge w/ zero air) _____
- e. Calibrate Span 3(Purge w/ zero air) _____
- f. Exit out and go into to "Run" screen _____
- g. Check calibration ranges to +/- 10% _____
- h. Did the tech demonstrate the steps properly? _____

Initial correct

CT
CT
CT
CT
CT
CT
CT
CT

No Issues

Drift Assessment (Midday or End of Day)

- 1. What are the steps to a drift assessment?
 - a. Check calibration ranges to +/- 10% _____
 - b. Did the tech demonstrate this properly? _____

CT
CT
CT

No Issues

Field Method 21

- 1. What is the definition of Method 21?
 - a. Procedure used to identify equipment leaks
 - b. Does the tech properly demonstrate Method 21?
 - c. Pump
 - d. Valve
 - e. Control Valve
 - f. Connector

CT
SC
SC
SC
SC
SC
SC

Leaks

- 1. What's the indication of a leak?
- 2. What is a meter deflection (blurb)?
- 3. How long do you wait if you have a blurb in the TVA?

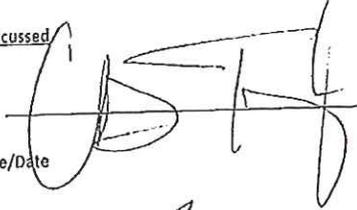
SC
SC
SC

Areas discussed for improvement/ What was changed or corrected(List effective date for changes)

Signatures (sign below)I have been assessed and my areas of review have been discussed

Tech Signature/Date

Auditor Signature/Date



11-16-16



11/16/16



1st Quarter 2017

MERIT AUDIT REPORTS

Date Complete: 04/25/2017

Issues Identified/Explained

on 2/9/17 - 364 inspections were found with the wrong TVA number assigned. Issue was investigated and corrected.

Calibration Verification Report	No issues identified
All LDAR Plan procedure current?	No issues identified
Certified Gas Sheets	No issues identified
Inspection Archived Reports	No issues identified
Abnormal time stamp Report (QAQC Reports)	No issues identified
Precision Calibrations	No issues identified
ELPCD training up to date	No issues identified
Low E cert's	No issues identified
Component Summary Reconcile	No issues identified
DTM % Report	No issues identified
DTM Detail Report	No issues identified
UTM report	No issues identified
Delayed Repairs Report	No issues identified. See attachment for DOR related to packing order
Leak Summary Report	No issues identified
Late Final Repairs	No issues identified
Open Ended Lines	None found
QAQC Dwell Time Report	No issues identified
QAQC Overlap Report	No issues identified
Removals Report	No issues identified
Added Components	2 overlooked valves found. Added to database and monitored
POS Report	No issues identified
Substantiate Leak %	No issues identified
Unrepaired Leaks Report	No issues identified
Field Audits done and filed???	Yes

* Run all reports for the previous quarter. Initial and date the report as reviewed and file the report.

Action Items Found/Changes Made

Field Technician - pay attention to TVA number

Field Technician - Make sure all signatures in ink

Remind Supervisor to rerun 100% report if additional monitoring needed

Field Technician - associate connector leaks with connectors and not valves

Auditor Signatures

SAL 4/25/17

CBT 4/25/17

Action Items reviewed with LDAR

personnel?(Y/N)

Yes

EMSI LDAR Technician Assessment

TECH AUDITED: Alan Hubbard
TVA# 11720

Initial Calibration

1. What are the steps to the initial calibration?(Initial each correct answer, place an "x" any answer that is missed)

- a. Warmup the TVA @ least 30 minutes
- b. Calibrate Zero Air
- c. Calibrate Span 1(Purge w/ zero air)
- d. Calibrate Span 2(Purge w/ zero air)
- e. Calibrate Span 3(Purge w/ zero air)
- f. Exlt out and go into to "Run" screen
- g. Check calibration ranges to +/- 10%(Mark the screen readouts under the readout section)
- h. Did the tech demonstrate the steps properly?

Initial Cal.Readouts	
Zero Air:	.85
500 Span:	507
2000 Span:	2003
10k Span:	10300

INITIAL
 SC
 SC
 SC
 SC
 SC
 SC
 SC
 SC

Drift Assessment (Midday or End of Day)

1. What are the steps to a drift assessment?
- a. Check calibration ranges to +/- 10% (Purge zero air between span's)
 - b. Did the tech demonstrate this properly?

Midday or EOD Drift Readouts	
Zero Air:	N/A
500 Span:	495
2000 Span:	1999
10k Span:	10300

CT SC
 SC
 SC

Field Method 21

1. What is the definition of Method 21?
- a. Procedure used to identify equipment leaks
 - b. Does the tech properly demonstrate Method 21?
 - c. Pump
 - d. Valve
 - e. Control Valve
 - f. Connector

CT SC
 SC
 SC
 SC
 SC
 SC
 SC

Leaks

1. Whats the indication of a leak?
2. What is a meter deflection (blurb)?
3. How long do you wait if you have a blurb in the TVA?

Answers
 10 ppm above background
 Spike or high reading when a certain monitoring
 point is screened

 2 times the TVA response

CT SC
 SC
 SC

Areas discussed for improvement/ What was changed or corrected(List effective date for changes)

None

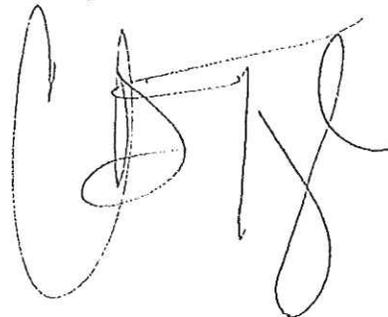
Signatures (sign below)I have been assessed and my areas of review have been discussed

Tech Signature/Date


 2/9/17


 2-9-17

Auditor Signature/Date

 2/9/17

MERIT AUDIT REPORTS

2nd Quarter 2017

	Issues Identified/Explained
Date Complete: 07/25/2017	No issues identified
Calibration Verification Report	No issues identified
All LDAR Plan procedure current?	No issues identified
Certified Gas Sheets	No issues identified
Inspection Archived Reports	No issues identified
Abnormal time stamp Report (QAQC Reports)	No issues identified
Precision Calibrations	No issues identified
ELPCD training up to date	No issues identified
Low E cert's	No issues identified
Component Summary Reconcile	No issues identified
DTM % Report	No issues identified
DTM Detail Report	No issues identified
UTM report	No issues identified
Delayed Repairs Report	No issues identified
Leak Summary Report	No issues identified
Late Final Repairs	No issues identified
Open Ended Lines	No issues identified
QAQC Dwell Time Report	No issues identified
QAQC Overlap Report	No issues identified
Removals Report	No issues identified
Added Components	No issues identified
POS Report	No issues identified
Substantiate Leak %	No issues identified
Unrepaired Leaks Report	No issues identified
Field Audits done and filed???	Yes

* Run all reports for the previous quarter. Initial and date the report as reviewed and file the report.

Action Items Found/Changes Made

Field Technician - Make sure all signatures in ink

Auditor Signatures  7/25/17

Action Items reviewed with LDAR personnel?(Y/N)

Yes

EMSI LDAR Technician Assessment

TECH AUDITED: ALAN HUBBARD

Initial Calibration

TVA# 11409

1. What are the steps to the initial calibration?(Initial each correct answer, place an "x" any answer that is missed)

- a. Warmup the TVA @ least 30 minutes
- b. Calibrate Zero Air
- c. Calibrate Span 1(Purge w/ zero air)
- d. Calibrate Span 2(Purge w/ zero air)
- e. Calibrate Span 3(Purge w/ zero air)
- f. Exit out and go into to "Run" screen
- g. Check calibration ranges to +/- 10%(Mark the screen readouts under the readout section)
- h. Did the tech demonstrate the steps properly?

Initial Cal. Readouts
Zero Air: 0.36
500 Span: 504
2000 Span: 2000
10k Span: 10300

INITIAL

(SC)
(SC)
(SC)
(SC)
(SC)
(SC)
(SC)

Drift Assessment (Midday or End of Day)

- 1. What are the steps to a drift assessment?
 - a. Check calibration ranges to +/- 10% (Purge zero air between span's)
 - b. Did the tech demonstrate this properly?

Midday or EOD Drift Readouts
Zero Air: 511
500 Span: 511
2000 Span: 2020
10k Span: 10000

(SC)
(SC)
(SC)

Field Method 21

- 1. What is the definition of Method 21?
 - a. Procedure used to identify equipment leaks
 - b. Does the tech properly demonstrate Method 21? Yes
 - c. Pump
 - d. Valve
 - e. Control Valve
 - f. Connector

(SC)
(SC)
(SC)
(SC)
(SC)
(SC)

Leaks

- 1. Whats the indication of a leak?
- 2. What is a meter deflection (blurb)?
- 3. How long do you wait if you have a blurb in the TVA?

Answers

- 10 ppm above background
- Spike or high reading when a certain monitoring point is screened
- 2 times the TVA response

(SC)
(SC)
(SC)

Areas discussed for improvement/ What was changed or corrected(List effective date for changes)

Signatures (sign below)I have been assessed and my areas of review have been discussed

 4-4-17
Tech Signature/Date

 4/4/17
Auditor Signature/Date